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FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (11)
APP. #2

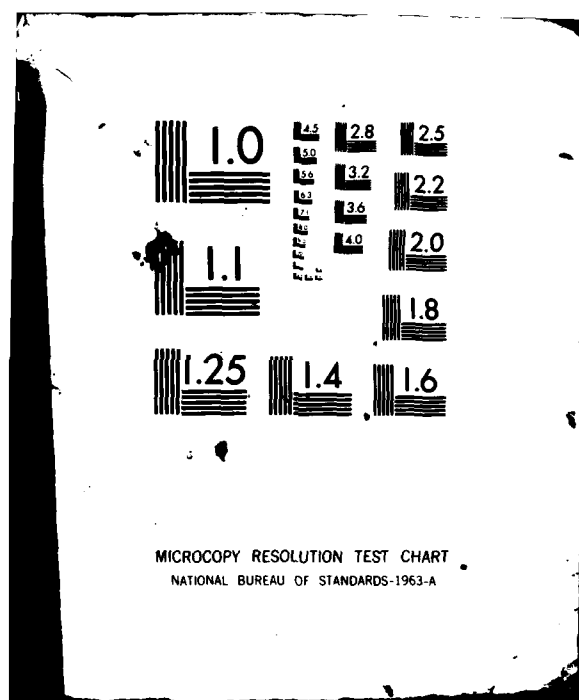
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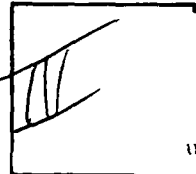


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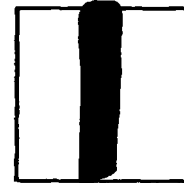
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USAFETAC/DS-82/023

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

FT LEONARD WOOD MO
N 37 45 W 092 09 FLD ELEV 1158 FT TBN

MSC #724457

PARTS A-F
FOR FROM HOURLY OBS: JAN 73 - DEC 81
FOR FROM DAILY OBS: APR 63 - DEC 81

TIME CONVERSION GMT TO LST: -6

APR 20 1982

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FOR THE COMMANDER

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 82/023	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Fort Leonard Wood, Missouri		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
		6. PERFORMING ORG. REPORT NUMBER															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Fort Leonard Wood, Missouri It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

Missouri

Fort Leonard Wood, Missouri

20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those records or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day observations (precipitation, record-special, record, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Each section contains a brief description of the data comprising each part of the revised uniform summary of surface weather observations and the manner of presentation. The summaries are prepared from hourly and daily observations recorded by stations operating the system and are subject to the same reporting practices as the original reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring climate variations are summarized in three-hour periods corresponding to the following sets of hourly observations: 0000-0100, 0100-0200, 0200-0300, 0300-0400, 0400-0500, 0500-0600, 0600-0700, 0700-0800, 0800-0900, 0900-1000, 1000-1100, 1100-1200 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
724457	FORT LEONARD WOOD MO/FORNEY AAF	N 37 45	W 092 09	1158	TBN	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT.)	HT. BARO.	
1	Ft Leonard Wood/Forney AAF	AAF	3 May 63	1 Nov 66	N 37 44	W 092 09	1158	1153	24
2	Same	Same	2 Nov 66	31 Aug 68	Same	Same	1168	1152	24
3	Same	Same	1 Sep 68	30 Sep 68	Same	Same	Same	Same	16*
4	Same	Same	1 Oct 68	31 Oct 68	Same	Same	Same	Same	24
5	Same	Same	1 Nov 68	31 Jan 69	Same	Same	Same	Same	16*
6	Same	Same	1 Feb 69	30 Sep 73	Same	Same	Same	Same	24
7	Same	Same	1 Oct 73	31 Jul 74	Same	Same	1158	Same	18
8	Same	Same	1 Aug 74	31 Dec 74	Same	Same	Same	Same	14
9	Same	Same	1 Jan 75	30 Nov 75	N 37 45	Same	Same	1168	18
10	Same	Same	1 Dec 75	1 Feb 82	Same	Same	Same	1151	14

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	3 May 63	Located on top of control tower	AN/GMQ-11	N/A	32 Ft	* Some days of the month reported 24 obs.
2	1 Nov 66	Located 500 ft NE of centerline of Rnwy 90 ft from SE end of rnwy	Same	Same	14 Ft	
3	1 Dec 66	Located 500 ft of centerline of rnwy 50 ft from SE end of rnwy	Same	Same	Same	
4	Dec 70	Located 500 ft of centerline of rnwy 90 ft from SE end of rnwy	AN/GMQ-20	PC-102	Same	
5	30 Nov 75	Same	Same	Same	Same	
6	1 Feb 82	Same	Same	Same	Same	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

AL CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

407 FT LEONARD WOOD MO 73-81 JAN
 STATION STATION NO YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	10-00	1.9	11.9		5.0		16.6	10.6				1.9	101
	03-05	.5	9.7		5.9		15.1	12.4	.5			12.4	105
	06-08	.3	5.3	.9	13.5		19.3	14.2	4.6	.9		19.2	797
	09-11	.2	5.6	1.1	13.8		20.1	12.3	9.4	2.4		23.1	834
	12-14		4.1	.1	12.8		16.7	9.1	7.2	2.5		15.2	834
	15-17		5.1	.4	12.0		17.1	6.9	7.0	2.7	.1	17.2	837
	18-20		5.0	1.4	13.0		15.1	8.4	2.5	.9		11.2	807
	21-23	.5	5.6	1.4	13.0		16.0	7.5	1.1	.6		7.2	847
TOTALS		.4	6.7	.7	10.4		17.2	10.5	4.1	1.3	.1	15.1	5779

AL CLIMATOLOGY BRANCH
TAC
FATHER SERVICE/440

WEATHER CONDITIONS

1407 17 LIZONA WOOD MO

73-81

FE

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	1-2		1.1	.8	6.0		17.4	29.3	1.3			21.1	167
	3-5	1.0	12.1	1.0	1.0		24.2	13.3	2.1			15.3	149
	6-7	1.1	7.6	1.4	10.6		13.8	21.3	7.5	.5		27.2	234
	8-11		5.0	1.0	13.3		19.6	20.2	13.1	.9		33.7	767
	12-14	.1	5.0	.1	10.2		15.0	11.0	14.7	.9		25.5	701
	15-17		0.1	.1	5.1		14.1	10.7	11.5	.9	.1	22.5	757
	18-20	.1	0.2	.9	10.0		16.9	12.1	5.1	1.5	.1	17.8	741
	21-23	.5	5.4	1.5	6.8		15.5	11.2	1.3	.0		12.8	515
TOTALS		.4	7.5	.9	9.7		17.8	13.6	7.4	.7	.0	25.6	4735

ALLEGATOLOGY BRANCH
TAC
POSTAL SERVICE / PAC

WEATHER CONDITIONS

451 FT LEONARD WOOD M 78-81
STATION STATION NAME YEARS MONTH MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
6-6	0-5	2.2	7.6		3.2		11.3	17.7	.1			1.1	106
	6-12	1.4	10.6		1.0		13.4	21.3	2.3	.2		2.2	110
	13-19	.8	11.0		1.0		15.1	22.5	7.3	.4		2.0	794
	20-26	.4	8.3		4.1		13.9	13.9	11.0	.7		24.3	135
	27-11	.7	9.7		3.6		12.9	5.9	8.7	.7		17.6	136
	12-18	1.1	8.6		3.7		12.7	9.1	6.3	.4		15.2	137
	19-25	2.4	9.1	.2	4.1		12.6	9.3	3.2	.2		12.2	138
	26-31	1.3	10.1		3.0		12.3	9.0	1.3	.1		10.1	702
TOTALS		1.3	9.9	.2	3.6		13.1	14.0	5.2	.4		14.7	5047

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AFWAT - SERVICE/MAC

WEATHER CONDITIONS

457 FT LEONARD WOOD MO 70-11 APR
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
1-5	00-05	7.2	13.7		3.3		17.2	7.2	3.2	.6		15.3	160
	06-11	3.5	10.2		2.2		12.4	9.7	2.2			1.0	226
	12-01	1.7	11.3		1.3		11.3	14.6	8.6	.4		22.4	776
	02-07	.6	8.9		1.4		10.2	6.5	7.7	.5		14.1	810
	08-14	1.3	6.3		1.4		10.1	1.7	4.4	.2		6.3	910
	15-17	1.1	7.3		1.1		8.4	2.3	4.9	.1		7.2	810
	18-23	2.6	10.3		.9		11.1	3.3	2.3	.1		5.2	809
	24-29	2.1	9.4		1.1		10.3	2.3	1.4	.5		3.2	859
TOTALS		2.5	9.9		1.6		11.3	5.9	4.4	.3		9.9	5080

AL CLIMATOLOGY BRANCH
 STETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

73457 FT LEONARD WOOD MO 73-61 MAY
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-01	.5	3.1				3.1	3.6	1.1			9.7	105
	03-05	2.8	9.9				9.9	23.4	10.2			25.4	763
	06-08	2.0	11.7				11.7	21.7	16.7			34.3	510
	09-11	1.6	9.3				9.3	3.4	11.6			14.6	336
	12-14	1.3	8.6				8.6	4.0	7.5			11.8	435
	15-17	2.8	8.1				8.1	4.4	6.0			9.9	335
	18-20	3.8	9.1				9.1	6.1	5.9			11.3	734
	21-23	2.1	8.8				8.8	5.8	.0			14.7	520
TOTALS		2.2	9.2				9.2	10.3	7.5			14.4	5067

CLIMATOLOGY BRANCH
 PETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

4451 FT LEONARD WOOD MO
 STATION STATION NAME

73-81

YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	5.6	8.3				8.3		5.0			5.0	160
	03-05	3.9	7.0				7.0	15.8	11.9			21.8	730
	06-08	2.0	5.6				5.6	12.0	18.7			27.5	901
	09-11	2.3	4.2				6.2	3.2	11.7			14.2	810
	12-14	3.5	6.4				6.4	1.4	7.5			8.6	810
	15-17	2.8	5.9				5.9	1.5	6.8			8.1	810
	18-20	2.6	4.8				4.8	1.8	10.0			11.5	763
	21-23	2.8	3.1				3.1	1.6	6.7			8.4	431
TOTALS		3.2	6.2				6.2	4.7	9.8			13.2	4935

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

0457 FT LEONARD WOOD MO 73-81 JUL
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-01	1.2	1.2				1.2	2.4	9.4			10.0	170
	03-05	1.3	3.3				3.3	22.8	21.0			27.4	734
	06-08	1.8	4.2				4.2	17.5	25.1			41.8	525
	09-11	2.0	5.5				5.5	4.1	20.0			23.7	634
	12-14	1.5	4.2				4.2	1.6	17.0			18.5	425
	15-17	2.8	5.1				5.1	1.4	13.8			15.1	528
	18-20	3.6	4.6				4.6	1.9	14.4			15.9	305
	1-23	3.4	3.8				3.8	1.6	6.3			7.4	446
TOTALS		2.3	4.0				4.0	6.7	16.3			21.1	5067

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 AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

74457 STATION FT LEONARD WOOD MO 73-81 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-01	.5	.5				.5	10.2	0.6			16.7	166
	03-05	1.5	2.3				2.3	71.7	15.0			27.3	241
	06-08	1.7	5.2				5.2	24.5	33.3			49.7	277
	09-11	1.0	3.3				3.3	4.5	26.2			29.7	236
	12-14	1.9	4.3			.1	4.3	1.6	19.0			19.9	235
	15-17	4.4	5.0				5.0	1.4	16.7			17.7	237
	18-20	4.3	5.5				6.5	2.4	13.9			15.2	234
	21-23	3.1	4.4				4.4	4.1	5.1			7.2	458
TOTALS		2.3	4.0			.1	4.0	5.6	17.4			23.3	5154

AL PAC CLIMATOLOGY BRANCH
 AFSTAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

4457 STATION FT LEONARD WOOD MO 73-81 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
01	01-01	.6	5.6				5.6	19.6	3.4			27.7	177
	02-02	3.3	1.6				10.9	25.2	8.6			24.9	729
	03-03	1.4	7.1				7.0	26.8	24.0			44.7	799
	04-04	.1	6.6				6.3	7.0	18.4			24.5	650
	05-05	.6	5.4				5.4	4.0	13.8			17.4	609
	06-06	1.5	6.6				6.6	3.3	11.5			14.0	805
	07-07	2.0	5.2				5.2	6.2	6.4			11.5	902
	08-08	2.3	5.4				5.4	8.0	4.3			11.1	441
TOTALS		1.5	6.6				6.6	12.8	11.3			21.6	4974

JOINT CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

WEATHER CONDITIONS

457 FT LEONARD WOOD MO 73-81 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-04		2.0				2.0	9.9	5.0			12.9	101
	05-09	.4	7.1				7.1	11.2	1.5			11.9	269
	10-14	1.1	9.0				9.0	17.7	7.2			22.7	615
	15-19	1.0	6.3				6.3	8.9	3.5			16.0	436
	20-24	1.0	7.9				7.8	4.4	6.6			15.7	435
	25-29	.5	6.0				6.0	4.2	5.4			9.1	435
	30-31	1.3	5.5				5.5	3.4	1.9			4.9	430
	01-05	.6	6.7				6.7	4.5	2.4			6.7	462
	06-10												
	11-15												
	16-20												
	21-25												
	26-31												
TOTALS		.7	5.6				6.6	8.0	4.9			11.9	4963

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAG

WEATHER CONDITIONS

70457 FT LEONARD WOOD MO 73-81 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02	1.1	0.5		3.3		5.8	6.5	3.3			9.8	92
	03-05		0.7				6.7	14.4	1.1			14.4	90
	06-08	.5	9.2		1.9		11.0	19.3	7.2			24.5	736
	09-11		8.4		3.7		12.1	13.1	6.8	.2		19.8	839
	12-14		3.3		3.3		11.5	9.0	6.4			14.5	467
	15-17	.1	9.0		2.9		11.2	8.1	5.1	.2		13.2	904
	18-20	.6	9.6	.4	3.5		13.2	7.3	2.1	.1		9.3	794
	21-23	1.2	10.1	.2	3.3		13.5	6.4	1.2			7.1	845
TOTALS		.4	8.5	.1	2.7		11.1	10.5	4.2	.1		14.1	4777

JOINT CLIMATOLOGY BRANCH
 WAFETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION 17487 FT LEONARD WOOD MO 73-81 DEC
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-05		8.8		6.3		15.0	10.0	1.3	2.5		12.5	60
	06-11		10.0		6.7		16.7	16.7	1.7	3.3		18.3	67
	12-17	.1	6.8	.9	5.1		12.2	17.4	4.2	.9		20.6	689
	18-23		7.7	1.1	7.3		15.8	17.1	8.1			23.8	836
	24-29	.2	6.9	1.2	6.5		14.0	12.9	9.0	.2		20.9	837
	30-31		8.5	.7	4.9		11.5	11.6	7.8	.5		18.6	834
	01-05	.1	7.5	.6	6.2		13.6	9.4	2.4	.4		11.7	918
	06-10	.2	7.2	.2	5.7		12.9	5.1	1.7	.5		10.1	582
	11-15												
	16-20												
	21-25												
	26-31												
TOTALS		.1	7.7	.6	6.1		14.0	12.9	4.5	1.0		17.1	4736

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

19457 FT LEONARD WOOD MO 73-81 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.4	6.7	.7	10.4		17.2	10.5	4.1	1.3	.0	17.1	5279
FEB		.4	7.5	.9	9.7		17.8	19.6	7.4	.7	.0	25.6	4735
MAR		1.3	9.9	.0	3.6		13.1	14.0	5.2	.4		16.7	5242
APR		2.5	9.9		1.6		11.3	5.9	4.4	.3		9.9	5287
MAY		2.2	9.2				9.2	10.3	7.5			16.4	5227
JUN		3.2	6.2				6.2	4.7	9.8			13.2	4935
JUL		2.3	4.0				4.0	6.7	16.3			21.1	5067
AUG		2.3	4.0			.0	4.0	8.6	17.4			23.3	5154
SEP		1.5	6.6				6.6	12.8	11.3			21.6	4974
OCT		.7	6.6				6.6	8.0	4.6			11.9	4953
NOV		.4	6.5	.1	2.7		11.1	10.5	4.2	.1		14.1	4777
DEC		.1	7.7	.6	6.1		14.0	12.9	4.5	1.0		17.1	4736
TOTALS		1.4	7.2	.2	2.3	.0	10.1	10.3	6.1	.3	.0	17.3	5969

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

U.S. AIR FORCE METEOROLOGICAL BRANCH
 AFMTC
 AIRCRAFT SERVICE/IAS

WEATHER CONDITIONS
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHENOMENA

457 STATION LEONARD WOOD MO 55-56, 57-58 YEARS 1955 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	2.2	23.3	5.3	24.6	.6	44.3	31.1	23.4	3.4		33.4	455
FEB		3.3	25.3	5.4	26.9	.4	47.4	27.3	21.7	4.3		43.6	46
MAR		2.3	36.1	1.8	17.1	1.0	46.6	36.9	27.6	2.4		43.6	450
APR		18.6	43.2		1.2	1.2	44.6	27.4	26.2	1.2		32.4	511
MAY		21.5	43.6			1.3	43.6	34.8	26.2			44.4	507
JUN		24.5	43.4			.4	43.4	33.2	33.6			46.4	574
JUL		22.6	32.7				32.7	33.2	41.3			51.2	557
AUG		21.9	33.9			.2	33.9	40.3	49.2			53.2	551
SEP		14.4	37.6			.3	37.6	43.3	43.1			51.4	584
OCT		4.3	22.4		.3	.4	32.6	30.5	23.7			27.5	551
NOV		5.2	34.7	.6	11.6		39.5	22.6	24.2	.5		42.3	523
DEC		2.6	31.6	7.1	22.5		43.3	36.2	21.6	1.7		42.9	538
TOTALS		12.1	33.4	1.8	9.4	.6	41.0	35.3	30.4	1.4		44.1	5501

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

2

CLIMATOLOGY BRANCH
 STATION
 WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO

63-61

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	5.2	19.6	2.5	6.2	3.0	6.3	2.8	2.3	.8					25.8	527	1.61	5.41	.32
FEB	1.5	19.7	2.7	7.7	4.4	5.4	4.4	3.1	1.0	.2				28.7	522	2.02	4.92	.97
MAR	0.4	16.6	3.0	5.7	3.2	6.3	7.7	3.6	2.9	.4				31.8	558	3.62	9.17	1.41
APR	0.3	15.5	2.3	5.8	3.3	7.7	6.5	4.9	3.7	.4				34.3	569	4.15	7.29	1.90
MAY	1.6	14.7	2.6	4.8	2.9	6.6	7.8	4.6	3.9	.5				33.7	587	5.08	6.96	1.29
JUN	54.2	11.1	2.5	6.8	3.5	7.0	6.3	3.5	4.0	.4				34.0	570	3.92	10.33	.97
JUL	4.4	9.7	1.5	4.8	2.9	5.1	3.7	3.7	3.9	.2				25.9	587	3.43	9.74	.56
AUG	2.5	11.0	2.0	3.7	2.9	4.9	5.4	3.7	3.4	.3				26.5	589	3.74	8.69	.90
SEP	67.9	9.0	2.0	4.7	3.6	4.8	4.5	7.0	2.9	.5	.2			30.1	558	4.36	11.63	.36
OCT	5.7	9.8	1.5	3.1	2.2	4.8	4.8	4.1	4.1					24.4	589	3.57	7.77	.46
NOV	57.8	13.5	1.8	5.1	4.0	7.1	4.0	3.6	2.7	.2				28.6	548	2.91	5.41	.68
DEC	59.0	17.0	2.5	6.6	3.6	4.5	4.7	4.3	1.8					28.0	558	2.62	7.92	.45
ANNUAL	56.7	13.9	2.2	5.6	3.3	5.9	5.2	4.0	2.9	.3	.0			29.4	6762	41.03		

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO
STATION STATION NAME

63-81

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

A* LEATHER SERVICE/MAC

MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION NAME

63-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
53				2.91	5.28	4.31	1.95	2.59	.36	1.41	2.30	.66	
54	1.08	2.29	6.49*	4.16*	1.47	3.35	.83	2.01	1.25	.46	2.97	1.08	*27.44
55	2.18	1.49	1.41	5.45	4.60	5.13	8.40	7.84	9.73	.67	1.55	4.89	53.34
56	.97	5.01	2.45	7.29	4.01	1.53	4.45	2.75	6.33	2.52	3.09	1.75	42.15
57	1.74	1.82	1.86	5.07	7.56	5.88	2.74	.90	4.35	7.77	1.93	4.80	46.42
58	2.21	1.50	4.03	2.36	5.06	2.24	2.23	3.70*	1.24	2.18*	3.04		
59		2.78	2.53	4.80	2.89	4.93	4.65	1.40	4.64	6.88	.73	3.10	
60	.32	1.31	3.84	6.16	4.12	8.91	.56	3.46	11.63	5.50	2.65	2.06	50.52
61	1.29	2.71	1.99	2.30	5.52	3.57	2.25	1.61	3.29	3.63	2.74	7.92	38.82
62	.93	1.80	2.12	5.19	1.29	1.52	7.06	3.06	5.67	4.11	6.11	2.29	41.15
63	3.27	1.06	9.17	4.68	5.45	1.69	3.78	1.21	4.72	6.87	5.05	3.99	50.94
64	2.67	2.71	4.92	3.87	5.86	2.46	1.21	8.69	5.13	1.79	4.56	3.12	46.99
65	5.41	4.92	3.40	3.38	6.40	4.14	2.29	8.21	4.96	1.76	2.45	2.34	49.66
66	.57	2.12	1.84	4.27	3.69	1.15	3.72	1.03	1.60	3.25	.77	.45	24.46
67	1.16	2.11	4.52	2.57	3.94	7.20	.77	5.37	6.12	2.41	4.47	2.85	43.49
68	.92	1.00	5.40	2.55	4.53	3.05	4.94	4.25	1.70	1.97	6.41	2.11	38.80
69	1.78	2.04	3.33	7.24	7.24	2.04	9.04	5.74	2.39	3.28	2.17	1.81	48.10
70	.32	1.92	3.90	2.64*	1.72	.97	.95	4.96	2.84	6.13	.68	.82	*27.85
71	.50	1.68	1.99	1.90	8.96	10.33*	5.82	2.20	1.70	5.22	2.02	1.19	*43.51
MEAN	1.007	2.237	3.622	4.146	5.081	3.916	3.434	3.736	4.356	3.569	2.908	2.624	44.218
S D	1.290	1.121	1.976	1.698	1.831	2.643	2.593	2.469	2.934	2.225	1.746	1.860	7.574
TOTAL OBS	527	579	558	569	587	570	587	589	558	589	548	558	6749

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88.5 (OL A)

2 GLOBAL CLIMATOLOGY BRANCH
 DRAFETAC
 AT WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW REL
 (FROM DAILY OBSERVATIONS)

724457 FT LEONARD WOOD MO

63-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	69.4	18.3	4.9	4.0	1.9	.6	.2	.4	.2					12.3	470	4.9	18.9	TRACE	
FEB	70.1	18.1	4.7	3.7	1.5	.4	.4	.6	.4					11.0	465	4.6	12.0	TRACE	
MAR	72.8	10.7	1.7	1.7	1.0	.8	.6	.6	.2					6.5	523	4.4	16.0	.0	
APR	77.5	1.6		.2	.4	.4								.9	570	.6	6.6	.0	
MAY	100.0														588	.0	.0	.0	
JUN	100.0														570	.0	.0	.0	
JUL	100.0														588	.0	.0	.0	
AUG	100.0														589	.0	.0	.0	
SEP	100.0														558	.0	.0	.0	
OCT	69.5	.5													589	TRACE	TRACE	.0	
NOV	78.6	9.5	.2	.5	.2	.2	.4	.2	.2					1.8	546	1.7	10.3	.0	
DEC	76.2	15.7	3.0	3.0	.8	.4	.4	.2	.2					8.1	496	3.1	14.4	.0	
ANNUAL	77.3	6.2	1.2	1.1	.5	.2	.2	.2	.1					3.4	6552	19.3			

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE / MAC

EXTREME VALUES

SNC FALL

FROM DAILY OBSERVATIONS

7,4457	F7 LEONARD WOOD MO
STATION	STATION NAME

63-65, 67-81

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

63-65, 67-81

YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

724457

FT LEONARD WOOD MO

63-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.2	3.8	7.6	6.5	3.4	6.5	5.1							29.0	527			
FEB	67.2	9.8	7.5	4.2	3.3	5.6	2.5							23.0	522			
MAR	8.9	1.0	3.0	1.4	.5	2.9	1.4							9.3	558			
APR	8.9		.7	.2	.2									1.1	570			
MAY	100.0														588			
JUN	100.0														570			
JUL	100.0														588			
AUG	100.0														589			
SEP	100.0														568			
OCT	100.0														589			
NOV	6.9	.7	1.2	.4	.4	.4	.2							2.5	570			
DEC	3.2	0.3	5.1	1.4	.5	.8	.7							8.5	589			
ANNUAL	41.8	2.0	2.1	1.2	.7	1.3	.6							6.1	6828			

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

724457 STATION FT LEONARD WOOD MO STATION NAME

63-61

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63				0	0	0	0	0	0	0	0	1	
64	9	2	3	0	0	0	0	0	0	0	0	1	
65	5	4	9	0	0	0	0	0	0	0	0	0	
66	1	6	1	0	0	0	0	0	0	0	1	5	
67	1	2	2	0	0	0	0	0	0	0	0	2	
68	2	4	5	0	0	0	0	0*	0	0	0	4	
69	4	7	0	0	0	0	0	0	0	0	0	7	
70	7	2	9	0	0	0	0	0	0	0	0	3	
71	1	4	2	3	0	0	0	0	0	0	1	0	
72	1	1	0	0	0	0	0	0	0	0	5	1	
73	3	TRACE	0	1	0	0	0	0	0	0	0	6	
74	6	1	7	0	0	0	0	0	0	0	3	2	
75	TRACE	7	7	0	0	0	0	0	0	0	10	2	10
76	1	2	1	0	0	0	0	0	0	0	0	TRACE	
77	3	2	0	0	0	0	0	0	0	0	1	2	
78	8	6	6	0	0	0	0	0	0	0	0	1	
79	9	8	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	
80	1	12	2	2*	0	0	0	0	0	0	3	TRACE	12
81	1	3	0	0	0	0*	0	0	0	0	TRACE	1	
MEAN	3.3	4.1	3.0	.3	.0	.0	.0	.0	.0	.0	1.3	2.1	6.5
S D	3.251	3.077	3.272	.820	.000	.000	.000	.000	.000	.000	2.535	2.355	2.656
TOTAL OBS	557	509	558	570	588	570	588	589	568	589	570	589	6849

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

LOCAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SURFACE WINDS

FROM DAILY OBSERVATIONS

0457 FT LEONARD WOOD MC
STATION STATION NAME

66-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
66	SSW	41SSW	37SSW	36S	37NW	42W	53NNW	32W	39SW	25NW	43NW	26NW	35
67	S	29NW	29W	39SW	45W	41W	3932/	4221/	4325/	3431/	3320/	3124/	46
68	24/	3632/	3424*	3936*	5128/	3836/	4723/	5527/	3833/	3319/	4518/	4226/	40
69	20/	4633/	3916/	4026/	3922/	4030/	3921/	2822/	3231/	4016/	4525/	4126/	46
70	17/	3625/	5225/	5528/	4230/	4533/	5128/	41 9/	2527/	3121/	3432/	3324/	49
71	16/	3632/	3823/	3525/	4130/	3830/	4025/	4235/	2720/	2813/	3317/	3325/	42
72	26/	3721/	3022/	4328/	4819/	3621/	4130/	3528/	4032/	2727/	6234/	5524/	66
73	21/	2530/	3322/	4024/	4820/	3725/	4535/	3031/	3730/	2918/	3133/	3718/	78
74	25/	4231/	3027/	5027/	4136/	4722/	4425/	4826/	4723/	3320/	3224/	4919/	34
75	20/	3627/	5624*	5123*	3822/	3132/	3224/	2830*	3228/	3134/	2222/	3429/	37
76	35/	4223/	3918*	3327/	3331/	5028/	3336*	1822/	4027/	4034/	3022/	4024/	37
77	28/	3430/	4025/	3226/	4232/	4522/	3428/	5834/	4824/	3234/	3126/	3231/	36
78	35/	31 1/	3518/	3524/	4520/	3625/	3021/	3225/	2731/	2726/	4529/	3631/	37
79	20/	4432/	4022/	3631/	3925/	2922/	2836*	4021*	3434*	3332*	2721*	2634*	25
80	12*	3234*	2820/	3223/	3634/	2733/	32 4/	2810/	2522/	2532/	2926/	4923*	33
81													
MEAN	36.5	38.0	39.3	41.2	38.8	39.2	37.9	35.7	30.5	37.6	38.4	42.1	51.1
SD	6.382	7.795	7.524	4.512	6.560	7.702	10.042	7.819	5.167	7.847	7.827	8.792	7.739
TOTAL OBS	457	411	429	437	461	447	475	485	464	482	469	479	5498

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL - ALICE		
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			4.3									4.3	6.7
NNE	1.7	1.2										2.9	2.9
NE	1.2	1.7										2.9	2.9
NNE													
E	1.2	1.7										2.9	2.9
ESE													
SE	2.5	2.7	.6	.6								7.5	4.0
SSE	.6	1.7	1.9									4.3	5.0
S	1.7	2.1	4.3	5.0	.6							14.0	6.7
SSW	.6	1.2	3.1	3.7								8.7	10.0
SW		.6	.6	2.5								3.7	10.0
WSW	.6	2.5		2.5								5.0	8.0
W	.6	2.5	3.1	1.9	.6							8.7	8.0
WNW		.6	1.2	2.5								4.3	10.0
NW		3.7	1.9	1.9								7.5	8.0
NNW		2.5	.6									3.1	5.0
VARBL													
CALM												7.5	
	14.3	34.3	11.7	2.5	1.2							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 141

U.S. AIR CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4551 ST. LEONARD, HOOVER YEARS 77-78 JAN 1977
 STATION NAME ALL WEATHER NORTH 0000-00
 CLASS ALL WEATHER HOURS (LST) 0000-0000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	7.7	1.1	1.1								1.0	5.0
NNE	1.1	1.1										0.2	4.0
NE	1.1	0.0										0.0	3.0
ENE	0.0	1.1										0.0	4.0
E	1.1	1.1	0.0									0.0	3.0
ESE	0.0	0.0	1.1	0.0								0.0	0.0
SE	1.1	0.0	0.0									0.0	1.0
SSE	0.0	0.0	0.0	1.1								0.0	1.0
S	1.1	0.0	0.0	0.0								0.0	7.0
SSW	1.1	0.0	1.1	1.1								0.0	7.0
SW	0.0	0.0	0.0	1.1								0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0							0.0	0.0
W	1.1	1.1	0.0	0.0	1.1							1.0	0.0
WNW	1.1	0.0	0.0									0.0	0.0
NW	1.1	0.0		1.1								0.0	0.0
NNW	0.0	0.0	1.1									0.0	0.0
VARBL													
CALM												11.4	
	14.0	37.3	20.4	0.2	2.2							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS 4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 STATION NAME ALLIANCE YEARS 7-81 MONTH JAN

CLASS ALLIANCE HOURS (L.S.T.) 1-2

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.7	1.0	.1							1.0	6.0
NNE	1.0	1.0	1.1									4.0	1.0
NE	1.1	1.3	.4	.1								2.0	1.0
ENE	.0	.2	.5									.0	1.0
E	.0	1.0	.1									1.0	4.0
ESE	.0	.2	.0	.1								.0	1.0
SE	.0	1.0	1.2	.3								2.1	5.0
SSE	1.0	3.4	2.0	.4								7.0	6.0
S	1.0	4.0	4.3	2.3								12.0	7.0
SSW	.0	.0	1.2	.4								2.0	7.0
SW	.0	1.0	1.0	.5								.1	7.0
WSW	.0	1.0	1.0	.5								2.0	8.0
W	.0	2.0	2.7	1.4								4.7	8.0
WNW	.0	2.0	2.7	.5	.3							4.0	7.0
NW	.0	2.0	2.3	1.4	.1	.1						7.7	8.0
NNW	.0	2.0	1.3	1.0	.6							7.0	8.0
VARBL												11.7	
CALM												11.7	
	11.1	33.0	48.7	12.5	1.1	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7

U.S. AIR FORCE
 10-10-64
 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-10-64 STATION NAME 10-10-64 YEARS 10-10-64 MONTH 10-10-64
 CLASS ALL WEATHER
 CONDITION ALL WEATHER
 HOURS (L.S.T.) 10-10-64

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1	.1	.1						.1	.1
NNE	.1	.1	.1									.1	.1
NE	.1	.1	.1									.1	.1
ENE	.1	.1	.1	.1								.1	.1
E	.1	.1	.1									.1	.1
ESE	.1	.1		.1								.1	.1
SE	.1	.1	.1	.1								.1	.1
SSE	.1	.1	.1	.1	.1							.1	.1
S	.1	.1	.1	.1	.1							.1	.1
SSW	.1	.1	.1	.1	.1	.1						.1	.1
SW	.1	.1	.1	.1	.1	.1						.1	.1
WSW	.1	.1	.1	.1	.1	.1	.1					.1	.1
W	.1	.1	.1	.1	.1	.1	.1					.1	.1
WNW	.1	.1	.1	.1	.1	.1	.1					.1	.1
NW	.1	.1	.1	.1	.1	.1	.1					.1	.1
NNW	.1	.1	.1	.1	.1	.1	.1					.1	.1
VARBL													
CALM													
	1.1	1.1	1.1	1.1	1.1	.7						1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 407 STATION NAME LEONARD AFB, TX YEARS 71-72 MONTH JUL
 CLASS ALL WEATHER HOURS (L.S.T.) 07-14
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.1	1.1	.1							7.4	7.7
NNE	.0	2.0	1.6	.2								4.7	5.0
NE	.0	1.0	.0									3.2	3.4
ENE	1.0	1.4	.5									2.0	4.0
E	.0	1.0	.0									2.0	4.0
ESE	.0	.0	.1									1.0	4.0
SE	.0	.7	.0	.6	.1							2.0	7.7
SSE	.0	1.0	2.0	.7								3.4	7.7
S	.0	1.0	3.1	2.3	.2							7.9	4.7
SSW	.0	1.0	2.5	1.9	.4	.0	.1					7.4	10.4
SW	.0	1.0	2.0	.0	.4	.1						3.2	8.7
WSW	.0	1.0	1.0	.0	.1							1.0	7.4
W	.0	1.0	2.6	2.0	.4	.1						7.6	10.1
WNW	.1	2.0	3.0	2.5	.4	.1						6.8	4.0
NW	.0	2.0	4.6	2.3	.1							4.8	6.9
NNW	.0	2.0	4.1	4.2	.5							12.1	5.7
VARBL													
CALM												8.0	
	1.0	24.7	23.6	27.4	2.6	.7	.1					170.0	7.0

TOTAL NUMBER OF OBSERVATIONS 130

U.S. AIR FORCE
TAC
STATION SERVICE / PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 401 STATION NAME LINGNAH WOODMAN YEARS 1951-1952

CLAS 10-117

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	1.0	1.0	.1							1.0	7.0
NNE	1.0	3.0	.7	.2								1.0	5.0
NE	1.1	1.0	.4									.4	4.0
ENE	.0	1.0	.2									.2	4.0
E	.0	1.0	.2									.2	4.0
ESE	.0	.0										.0	3.0
SE	.0	1.0	.4	.4								1.0	3.0
SSE	.0	1.0	.4									.4	3.0
S	.0	2.0	3.0	2.0	.1	.1						2.0	6.0
SSW	.0	1.0	2.0	1.0	.1							1.0	4.0
SW	.0	.0	1.4	.6	.5							.5	7.0
WSW	.0	1.0	2.0	.6	.1							1.1	7.0
W	.0	2.0	4.0	1.4	.5							2.0	6.0
WNW	.0	2.0	3.0	2.0	.4							2.0	6.0
NW	.0	2.0	3.0	1.0	.1							2.0	6.0
NNW	1.1	3.0	2.0	2.0	.4	.1						1.1	6.0
VARBL													
CALM												7.0	
	11.0	31.1	31.6	17.5	2.2	.1						11.0	7.1

TOTAL NUMBER OF OBSERVATIONS 107

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME ELEANOR WOOD MO CLASS 73-F1 YEARS 1957-1961 MONTHS (L.S.P.) 12-12

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.9	2.1	.6								11.1	3.7
NNE	1.2	.9	.4	.1								2.6	4.1
NE	2.2	.9	.1	.1								3.3	3.3
ENE	1.5	1.5	.6									3.7	4.1
E	1.4	.7	.2									2.4	3.7
ESE	2.1	.7	.1	.1								2.9	3.7
SE	.4	1.1	1.2	.1								2.9	4.1
SSE	1.4	1.4	1.1	1.2	.1							5.1	6.7
S	1.5	4.2	5.7	1.6	.2							13.1	7.7
SSW	.7	1.7	1.7	.6								4.6	6.7
SW	.6	1.7	.5	.1								2.9	3.3
WSW	.5	2.4	.5		.1	.1	.1					4.1	6.7
W	1.7	3.2	2.5	1.2	.1	.1						5.2	7.3
WNW	1.3	2.1	1.4	.4	.1							3.3	6.7
NW	1.7	2.1	2.6	.2		.4						6.3	7.3
NNW	1.7	2.5	1.7	.6	.1							6.4	6.7
VARBL													
CALM												15.4	
	1.3	31.2	23.5	6.9	.9	.6	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 57

U.S. CLIMATE BUREAU
 U.S. AIR FORCE
 WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

457 STATION 47 LEONARD WOOD MC 77-81 JAN MONTH
 STATION NAME YEARS
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.4	2.1	1.6								11.4	8.1
NNE	0.7	0.5	0.6									1.3	4.6
NE	1.1	0.7	0.7									2.5	5.0
ENE	1.1	1.1	0.3									2.5	5.0
E	1.0	1.3	0.3									2.6	5.0
ESE	0.7	0.7	0.5	0.2								1.9	5.0
SE	0.7	1.4	0.7									2.8	4.0
SSE	1.2	3.3	2.4	0.8	0.2							7.9	7.0
S	1.2	3.6	4.3	2.3								12.6	6.0
SSW	0.7	1.1	3.7	0.7	0.3							6.1	6.0
SW	0.7	1.2	1.7	0.3								3.9	6.0
WSW	0.7	2.2	1.6	0.5		0.2	0.2					3.6	7.0
W	0.7	3.7	2.3	1.1								7.8	7.0
WNW	0.7	1.7	2.4	0.9	0.2							7.3	7.0
NW	0.7	1.9	1.7	0.4	0.3	0.2						3.3	7.0
NNW	0.7	1.6	1.7	0.7	0.2							4.9	6.0
VARBL													
CALM												16.0	
	10.0	29.1	27.2	10.3	1.1	0.3	0.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 601

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	DATE
	ALL WEATHER		MONTH
	CLASS		ALL
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.6	3.7	1.3	.1	.0						10.7	5.0
NNE	1.0	1.7	.9	.1								3.8	3.1
NE	1.1	1.4	.6	.0								3.1	4.0
ENE	.6	1.0	.5	.0								2.7	4.0
E	1.0	1.0	.8									2.4	4.1
ESE	.6	.7	.3	.1								1.7	5.0
SE	.6	1.3	.9	.3	.0							3.1	5.4
SSE	1.1	2.4	2.0	.6	.0							6.0	6.7
S	1.1	3.2	4.3	2.4	.2	.0						11.2	6.7
SSW	.5	1.3	2.1	1.2	.1	.1	.0					5.3	6.7
SW	.4	1.2	1.3	.6	.1	.0						4.6	7.0
WSW	.7	1.0	1.6	.7	.1	.1	.0					3.2	7.5
W	1.0	2.3	2.9	1.6	.3	.1						6.1	6.0
WNW	.7	2.1	3.0	1.3	.2	.0						7.3	6.0
NW	.5	2.4	2.9	1.5	.2	.1						7.5	5.0
NNW	.3	2.7	2.7	1.8	.3	.0						6.3	6.0
VARBL													
CALM												11.2	
	14.0	50.0	29.1	13.4	1.7	.5	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-1 TAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

457 71 LEONARD WOOD MO 73,75
 STATION MONTH
 STATION NAME YEARS
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.0	6.6	2.4								15.0	7.4
NNE	0.0	2.4										2.4	3.0
NE	1.2	1.0										2.2	4.0
ENE	2.4											2.4	2.0
E		3.0										3.0	4.0
ESE		1.0										1.0	4.0
SE	1.2	2.4	2.4	1.2								7.2	6.0
SSE	0.0	2.4	4.0	2.4								12.0	5.0
S	0.0	1.0	2.4									4.0	6.0
SSW		1.0										1.0	6.0
SW	1.0	1.0										2.0	3.0
WSW	1.0	1.0	3.0	0.6								5.0	6.0
W	1.2	4.0	4.0	1.0								11.4	7.0
WNW	0.0	0.0	0.6	0.6								2.4	7.0
NW			4.0	4.0								8.0	10.0
NNW			3.0									3.0	9.0
VARBL													
CALM												11.4	
	15.0	23.1	32.9	13.8								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 167

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	GROSS
ALL PLATES			
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	1.1									13.0	4.0
NNE	1.0	2.0	0.0									4.0	4.0
NE	0.0	2.0	0.0	0.0								3.0	6.0
ENE	1.0	1.0										1.0	2.0
E		0.0										0.0	4.0
ESE	1.0	1.0										2.0	3.0
SE	1.0	2.0	3.0	0.0								7.0	6.0
SSE		3.0	1.1	2.0								13.0	8.0
S	0.0	2.0	1.0	1.0								6.0	7.0
SSW	1.0	0.0		1.0								3.0	3.0
SW		1.0	1.0									0.0	6.0
WSW	0.0	2.0	1.0									3.1	4.0
W	0.0	2.0	1.0	2.0								5.0	6.0
WNW	1.0	2.0	1.0	1.0								7.1	7.0
NW		1.0	4.0	2.0								7.1	9.0
NNW	0.0	2.0	3.0	0.0								5.0	7.0
VARBL													
CALM												0.0	
	14.0	33.3	31.8	11.6								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 49 STATION NAME FT. LEONARD WOODMAN YEARS 77-81 MONTH NORTH

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	4.0	.7	.4							.3	7.0
NNE	1.0	1.0	.7									.3	4.0
NE	.0	1.0	.8									.1	3.0
ENE	.0	.7	.8									.3	5.0
E	.0	1.0	.4									.2	4.0
ESE	.0	.5	.1									.1	4.0
SE	.0	1.0	1.4	.4								.4	5.0
SSE	1.0	5.0	4.0	1.4								1.0	6.0
S	.0	4.0	4.5	1.4								12.0	6.0
SSW	.4	1.0	1.1	1.6								4.4	6.0
SW	.4	1.0	.7	1.0		.1						3.1	6.0
WSW	1.1	1.0	1.5	.1								4.5	5.7
W	.7	1.0	1.1	.8								4.4	6.0
WNW	1.4	2.0	2.6	.4	.1							6.0	6.7
NW	.0	1.1	2.0	1.0	.4							6.0	4.7
NNW	.0	2.0	3.1	2.2	.1	.1						7.9	9.7
VARBL													
CALM												13.5	
	17.0	31.1	24.3	11.9	1.1	.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 734

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 77-1 STATION NAME ALL WEATHER YEARS 1977-1978 MONTH 1977-1978
 CLASS ALL WEATHER
 CONDITION ALL WEATHER
 HOURS (L.S.T.) 1977-1978

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	1.7	1.7	.3							1.7	6.4
NNE		1.3	.2	.4								1.3	6.4
NE	1.4	.7	.7									1.4	4.4
ENE	1.7	.4	.4	.1								1.7	4.1
E	1.4	1.7	.5	.3								1.4	5.4
ESE			.4									.4	4.2
SE	1.7	1.3	1.7	.1								1.7	5.3
SSE	.3	3.2	4.5	1.4								3.2	7.7
S	1.2	2.7	3.9	2.8	.1							1.2	6.4
SSW	.3	1.3	1.7	2.2	.2	.1						.3	10.4
SW	.4	1.2	2.1	1.3	.1	.3						.4	7.1
WSW	.3	1.7	2.2	.3	.3							.3	7.1
W	.4	1.3	1.6	1.2	.4							.4	6.3
WNW	.1	1.7	2.3	1.4								.1	9.8
NW	.7	1.4	4.1	2.2	.5							.7	9.6
NNW	1.3	2.4	4.3	2.4	.1	.1						1.3	8.7
VARBL													
CALM												7.1	
	13.2	24.7	34.4	17.2	3.3	.5						13.2	7.6

TOTAL NUMBER OF OBSERVATIONS 767

1

1. NAME OF THE STATION
2. ICAO
3. METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1451 STATION NAME ST. LEOVA 7 2000 MO YEARS 71-81 NORTH 10°-14°
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.1	3.2	1.4								.4	.1
NNE	.1	1.1	1.2	.5								4.1	5.1
NE	.1	.1	.1	.1								4.3	7.1
ENE	.1	.1	.1	.1								1.1	2.1
E	.7	.7	.7	.7								1.1	1.1
ESE			.1									.1	7.1
SE	.1	1.1	.1	.1								.1	2.1
SSE	1.2	1.1	2.2	.9								5.1	7.1
S	.1	1.1	3.4	1.7	.7	.1						7.1	10.1
SSW	.1	1.1	2.1	1.1	.9							.1	1.1
SW	.1	.1	1.1	1.7	.9	.1						.1	11.1
WSW	1.2	.1	1.1	2.1	.1	.1						1.1	4.1
W	.1	1.1	2.1	2.2	.3	.1						.1	4.1
WNW	.1	1.1	2.1	1.4	.4							.1	4.1
NW	.1	1.1	2.7	2.2	.4	.1						2.7	1.1
NNW	.1	2.1	2.1	2.2	.4							4.1	5.1
VARBL													
CALM												.1	
	11.1	22.1	32.1	24.3	2.2	1.1						1.1	.1

TOTAL NUMBER OF OBSERVATIONS 711

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			
CONDITION			
		HOURS (L.S.T.)	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	5.5	1.5	.1							10.0	4.0
NNE	1.1	2.7	1.2	.3								4.3	4.0
NE	1.7	1.5	.7									2.4	4.1
ENE	.1	.7	.3	.5								2.4	5.7
E	.1	1.1	.4	.1								2.4	4.0
ESE	.7	.5	.3	.1								1.2	5.7
SE	.1	1.5	.7	.5								2.2	5.7
SSE	.4	.7	2.2	.5	.3							5.0	5.4
S	.1	2.1	4.4	2.5	.3	.1						5.0	4.0
SSW	.7	2.0	1.1	2.5	.7	.3						7.9	17.7
SW	.1	.7	1.5	2.5	.1	.3						5.4	11.0
WSW	.7	1.2	3.2	1.7	.7	.3						7.9	9.0
W	.3	1.5	2.1	2.0	.5							5.7	9.0
WNW	.0	1.3	3.0	1.3	.3							7.4	9.0
NW	1.1	1.7	2.3	2.0	.1							7.5	8.6
NNW	1.2	1.5	4.6	1.8	.4							4.5	5.9
VARBL													
CALM												5.3	
	11.1	22.2	35.4	2.9	3.4	.7						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 757

U.S. AIR FORCE
 10-10-64
 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-10-64 STATION NAME 10-10-64 YEARS 10-10-64 MONTH 10-10-64
 CLASS 10-10-64
 CONDITION 10-10-64

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	7.0	1.0								1.0	7.1
NNE	1.0	1.0	.7	.5								.5	.5
NE	.5	1.0	.1	.5								.5	.5
ENE	1.2	1.3	.5	.1								.5	.1
E	.7	.1	.1									1.0	.7
ESE		.5	.1									.5	.1
SE	.5	1.1	.5	.1								.5	.5
SSE	1.0	.5	1.1	1.1	.1							2.0	.5
S	3.7	4.2	5.1	3.0	.5	.1						1.0	7.1
SSW	1.1	2.0	1.0	.5	.4							.5	7.0
SW	.5	.5	.4	.3								.5	.5
WSW	1.0	1.1	1.1	.3	.3							.5	.5
W	1.0	1.0	1.0	.7	.1							.5	.5
WNW	.5	1.0	.5	.4								.5	.5
NW	.5	1.0	3.2	.5								.5	7.7
NNW	.5	2.4	2.3	1.0	.3							.5	.5
VARBL													
CALM													
	17.7	22.1	44.7	11.7	1.0	.1						1.0	6.7

TOTAL NUMBER OF OBSERVATIONS 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MOON
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.1	1.0								11.0	7.1
NNE	1.0	1.0	1.0	1.0								11.0	4.0
NE	1.0	1.0	1.0	1.0								11.0	6.0
ENE	1.0	1.0	1.0	1.0								11.0	4.0
E	1.0	1.0	1.0	1.0								11.0	4.0
ESE	1.0	1.0	1.0	1.0								11.0	4.0
SE	1.0	1.0	1.0	1.0								11.0	4.0
SSE	1.0	1.0	1.0	1.0								11.0	4.0
S	1.0	1.0	1.0	1.0								11.0	4.0
SSW	1.0	1.0	1.0	1.0								11.0	4.0
SW	1.0	1.0	1.0	1.0								11.0	4.0
WSW	1.0	1.0	1.0	1.0								11.0	4.0
W	1.0	1.0	1.0	1.0								11.0	4.0
WNW	1.0	1.0	1.0	1.0								11.0	4.0
NW	1.0	1.0	1.0	1.0								11.0	4.0
NNW	1.0	1.0	1.0	1.0								11.0	4.0
VARBL												11.0	
CALM												11.0	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	4.1	1.6	.7							1.2	3.7
NNE	1.0	1.0	.7	.7								1.0	3.4
NE	1.0	1.0	.5	.6								1.0	3.0
ENE	.7	.7	.4	.7								1.0	2.4
E	.7	1.0	.7	.1								1.0	3.0
ESE	.7	.7	.7	.7								1.0	4.0
SE	.7	1.0	1.0	.3								1.0	2.0
SSE	1.1	.7	.1	1.7	.1							1.0	.7
S	1.1	.7	.7	.7	.7	.1						1.0	.1
SSW	.7	1.0	1.7	.7	.7	.1						1.0	.7
SW	.7	1.1	1.1	1.1	.7	.7						4.0	7.0
WSW	1.0	1.0	1.0	.7	.7	.1						1.0	7.0
W	.7	1.0	1.0	1.4	.7	.7						1.0	1.7
WNW	.7	1.0	.7	1.0	.1							1.0	1.1
NW	.7	1.0	.1	1.0	.7	.7						1.0	1.1
NNW	.7	.7	.7	.7	.7	.7						1.0	1.7
VARBL													
CALM													
	1.0	7.0	24.5	16.3	2.7	.5						1.0	5.0

TOTAL NUMBER OF OBSERVATIONS 477

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 407 LEWIS AND CLARK STATION NAME LEWIS AND CLARK YEARS 77, 78 MONTH NOV
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	1.1	4.8	1.6								1.2	7.0
NNE			0.1									0.5	0.0
NE	1.0	0.1										0.2	0.0
ENE	1.0	1.1	1.1									4.3	0.0
E	0.1	0.1	1.1	0.5								4.3	0.0
ESE		4.0	1.1	0.5								5.6	0.0
SE	1.1	0.1	0.1	1.0	0.5							7.1	0.0
SSE		4.0	0.1	1.0								1.0	7.0
S	1.0	0.1	0.1	1.1								0.5	0.0
SSW	0.1	4.0		0.5	0.5							0.5	0.0
SW		0.1	1.1									1.6	0.0
WSW		1.0	0.5	1.0								3.0	0.0
W	1.0	1.1	0.1	0.5								0.4	0.0
WNW	1.1	0.1	0.1	0.5	0.5							4.0	0.0
NW		0.1	1.0	0.5								3.0	0.0
NNW	1.1	0.1	0.1	0.1	0.5							0.7	10.0
VARBL													
CALM												1.6	
	1.0	3.7	1.1	1.5	2.0							10.0	0.7

TOTAL NUMBER OF OBSERVATIONS 136

CLIMATOLOGY BRANCH

14C

WIND - VELOCITY

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
41	FT L OGDON ACOD 13	73-75	
ALL WEATHER			
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	3.7	1.9								8.6	7.6
NNE		1.0	1.4									3.7	6.0
NE		1.4	.5									2.9	4.0
ENE	1.4	2.0										4.2	4.0
E	1.4	2.3		.5								4.2	5.0
ESE	1.4	2.6	.5	.5								6.0	5.0
SE	1.4	2.6	3.2	1.4								6.6	7.0
SSE	1.4	4.2	4.2	.5	.5							15.6	6.7
S	.5	3.7	3.7	.5								8.3	6.7
SSW		.5	2.3	.5	.5							4.2	5.7
SW		.5		.5								1.4	7.0
WSW		1.4		.5								1.7	7.3
W		1.4	1.4	.5	.5	.5						4.6	5.6
WNW	1.4	1.0		.5	.5							4.2	7.0
NW	.5	.5	.5	1.4								3.7	6.3
NNW	.5	.5	3.2	3.2	.5							7.3	10.5
VARBL													
CALM												13.4	
	13.4	32.4	25.5	12.0	2.8	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 216

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE /MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1457 STATION NAME F. LEONARD WOOD MC YEARS 73-81
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1	1.4	7.4	1.1									
NNE	1.1	1.2	1.3	.2									
NE	.7	2.1	.8										
ENE	.5	1.3	1.2	.1									
E	1.1	1.7	1.1	.1									
ESE	.5	.7	1.0	.1									
SE	.5	2.3	2.2	1.2	.1								
SSE	.2	1.3	3.6	2.4	.2								
S	.6	1.2	4.5	5.3	1.5								
SSW	.4	.4	1.7	4.9	.5	.5							
SW	.1	.5	1.1	3.2	.3	.4	.1						
WSW	.7	1.1	1.7	1.1	.6	.7							
W	.8	1.1	1.7	2.2	1.2	.1							
WNW	.1	1.0	1.9	1.2	.1								
NW	.1	1.3	2.5	2.3	.2								
NNW	.7	1.6	3.1	2.5	.1								
VARBL													
CALM													
	5.3	20.7	31.6	27.9	4.9	1.2	.1						

TOTAL NUMBER OF OBSERVATIONS

10. DISTANCE BY AIR

STATION SERVICE AREA

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ST. LEONARD WOOD 40 YEARS 73-81 MONTH 4

CLASS ALL WEATHER

CONDITION 12.0-14.0
HOURS (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.9	3.9	1.7								6.2	7.9
NNE		1.2	1.2	.6								3.2	6.2
NE		1.4	.9	.2								4.4	4.6
ENE	1.4	1.2	.7	.1								3.5	4.9
E		1.2	1.2	.4								3.2	6.8
ESE		.7	.2	.2								1.2	7.2
SE		1.4	1.4	1.1								4.8	7.2
SSE		1.1	2.4	2.4	.6							6.2	13.6
S		.7	2.5	2.5	1.0	.2						10.6	12.7
SSW	.1	.1	1.7	2.0	1.7	.5						8.6	14.2
SW	.4	.7	1.3	3.1	1.2	.6						7.2	13.2
WSW	.2	.7	1.6	1.7	.7	.2						5.1	11.7
W	.4	.2	1.9	2.5	1.1		.1					6.8	12.4
WWW		.2	2.5	1.2	.1	.2						4.2	10.7
NW	.1	1.2	3.1	2.3	.4							9.0	10.1
NNW	.1	1.4	2.5	2.5	.2							3.8	10.7
VARIABLE													
CALM												4.4	
	17.2	7.2	32.9	6.9	1.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 876

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 1-1
 WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH MAY
 CLASS ALL WEATHER
 CONDITION 1500-1700
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.1	4.3	1.8	.1							10.3	3.1
NNE	.6	1.4	1.1	.1	.1							3.3	2.6
NE	.5	2.7	.5									3.8	3.7
ENE	.7	1.1	.2									2.0	4.4
E	.1	1.8	1.1	.4								3.7	6.1
ESE	.5	1.4	.8	.4								3.1	6.7
SE	.1	1.0	1.2	1.0								3.2	6.4
SSE	.1	1.2	2.6	1.6	.1							5.6	5.1
S	.7	1.3	3.6	6.1	1.9							13.5	11.8
SSW	.4	.5	1.7	3.3	1.4	.2						7.5	13.1
SW	.1	.7	1.1	1.7	1.3	.1						5.1	12.6
WSW		1.2	1.1	1.2	.6	.1						4.2	10.7
W	.7	1.5	2.3	2.3	.4	.1						7.3	5.6
WNW	.1	1.1	3.0	1.0	1.1	.1	.1					6.6	10.9
NW	.1	.2	2.6	1.8	.5	.1						6.0	10.7
NNW		1.4	4.7	4.1	.1	.1						10.9	10.5
VARBL													
CALM												4.1	
	.6	22.0	32.1	26.5	7.6	1.0	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 537

ATMOSPHERIC SCIENCE
 150
 NATIONAL SERVICE 140

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14451 STATION NAME LEONARD WOOD MO YEARS 73-81 MONTH NORTH
 ALL WEATHER CLASS 1800-1800 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	3.7	0.0	1.3								11.1	6.0
NNE	1.4	2.3	.7									4.4	4.0
NE	.6	1.1	.4									2.7	4.0
ENE	1.9	1.7	.1	.1								3.0	3.0
E	.6	1.2	.6	.6								3.0	6.0
ESE	.5	.7	.3	.4								2.4	7.0
SE	.0	2.9	1.3	.8								5.0	6.7
SSE	.0	3.1	2.7	1.9								7.3	6.0
S	1.0	3.1	4.5	3.9	.4							13.0	8.0
SSW	.5	.3	2.2	2.2	.5							5.1	9.0
SW	.7	.5	1.1	1.0	.4							3.6	7.4
WSW	.8	.5	.6	.4		.1	.1					2.5	6.1
W	1.1	1.1	1.4	.5	.1	.2						4.4	7.0
WNW	.5	1.0	1.7	1.0	.5	.1						4.7	9.0
NW	.7	1.8	.7	1.3	.1							4.7	7.6
NNW	1.3	2.9	1.5	2.3	.1	.1						8.5	8.1
VARBL													
CALM												12.2	
	15.3	7.9	24.3	17.6	2.0	.6	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 236

U.S. AIR FORCE
 METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 467 STATION NAME 10 LEONARD AFB MD YEARS 73-81 MONTH MAY
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.4	1.8								7.3	6.7
NNE	1.0	1.0	1.1									3.3	5.0
NE	.0	1.0	.4									2.0	4.0
ENE	.0	1.0	.7									2.3	4.0
E	1.1	2.0	1.7	.4								3.3	6.0
ESE	.0	1.4	1.0	.3								3.0	5.0
SE	1.0	2.4	1.7	.6								5.4	6.7
SSE	1.1	1.4	3.3	1.9	.1							7.3	8.0
S	1.3	3.6	5.3	4.4	.4							17.3	11.1
SSW	.4	2.0	2.4	1.4	.3	.4						7.3	9.4
SW	.1	1.1	1.1	.3		.1						2.0	7.0
WSW	1.4	.0	.7	.6	.1							3.7	6.7
W	.0	2.1	.3	.9								3.5	6.0
WNW	.0	1.3	1.0	1.2								3.0	6.0
NW	.0	.6	.9	1.4	.4							3.5	10.0
NNW	1.0	1.1	2.7	.9								5.7	7.4
VARBL													
CALM												15.5	
	15.0	25.5	26.3	15.2	1.4	.6						10.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44 STATION NAME FT. LONARDO AFB YEARS 77-81 MONTHS ALL

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.3	1.3	.1							8.5	7.1
NNE	.7	1.2	1.1	.2	.2							2.4	1.0
NE	.0	1.5	.6	.1								2.1	4.5
ENE	1.2	1.5	.6	.1								2.4	4.0
E	.7	1.0	1.3	.3								3.7	5.1
ESE	.0	1.2	.9	.3								2.7	5.3
SE	.7	2.3	1.9	1.0	.3							5.5	7.3
SSE	.0	2.3	3.3	1.9	.2							6.1	6.5
S	.0	2.2	4.5	4.5	.7	.0						12.4	10.5
SSW	.3	1.7	1.5	2.9	.9	.0						6.0	11.7
SW	.2	.0	1.1	1.5	.6	.2	.0					4.5	11.0
WSW	.5	1.7	1.1	.8	.3	.1	.0					3.5	8.7
W	.7	1.4	1.5	1.6	.6	.1	.0					5.9	9.2
WNW	.2	1.2	2.1	1.2	.2	.1	.0					4.2	7.4
NW	.4	1.2	2.2	1.7	.3	.1						5.7	7.4
NNW	.5	1.7	2.9	2.7	.2	.0						6.1	9.7
VARBL													
CALM												8.0	
	12.7	24.5	22.2	21.9	4.2	.2	.1					124.2	8.8

TOTAL NUMBER OF OBSERVATIONS 124

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMTCAC
 WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME FT LYONARD 4000' ALT 73,75 YEARS
 CLASS ALL WEATHER
 CONDITION

APR 1950 - JUL 1950
 MONTHS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	2.8	.6								4.4	3.1
NNE	.6	1.1										1.7	4.3
NE	.2											.5	5.6
ENE	1.1											1.1	3.6
E	1.7	3.3	1.1									5.1	5.0
ESE	1.1	1.1	1.1									3.3	4.7
SE	.5	3.3	2.8	.6								7.5	5.4
SSE		2.7	5.6	1.7								13.3	7.1
S	1.1		3.3	5.1								15.6	5.7
SSW	1.1	1.7	1.1	1.7								5.6	7.5
SW	.5	.7	3.3	.6								5.6	7.5
WSW		.5	1.1	.6								2.2	9.5
W		1.1	.7	1.7								3.3	8.4
WNW			2.2									2.2	8.4
NW	1.1			2.2	1.1							4.4	11.0
NNW		1.7	3.3	.6	1.1							5.7	9.5
VARBL													
CALM												15.2	
	11.7	10.3	33.3	16.1	2.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 111

STATION NAME
 DATE OF OBSERVATION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ST. LIONARD #002 NO YEARS 72-80 MONTH 12

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.3	1.3								4.4	.7
NNE		.4	.4									.7	.6
NE	.4	1.7	.4	.4								3.1	1.0
ENE	.4	1.7										1.5	1.3
E	1.7	2.7										4.4	4.6
ESE		3.1	2.7									5.8	6.3
SE	1.7	.7	2.2	1.8								5.2	5.7
SSE	.9	4.4	5.3									10.6	8.7
S	1.7	2.2	6.2	3.5	.4							15.7	7.7
SSW		.4	1.3	.9	.9							3.5	11.4
SW	.7	1.7	1.7	.4	.4							4.4	7.0
WSW	1.7	1.7	1.9	.9								5.2	5.7
W	.4	1.8	1.8		.4							4.4	7.4
WNW	.7	.4	1.3	1.3								4.0	8.0
NW	.4	.4	1.8	.9	.4							4.0	6.4
NNW	.7	1.3	1.3	.9	.9							5.3	9.0
VARBL													
CALM												18.6	
	11.5	24.3	29.2	12.4	3.5							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 225

U.S. AIR FORCE
CLIMATE BRANCH
ATTC
647 AF SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1407 STATION NAME FT. LONNERS WOOD MD YEARS 77-81 MONTH APR 1977-1978 HOURS (LST) 0000-2359

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.4	2.4	.8	.1							1.7	7.1
NNE	.7	.7	.4									1.7	1.7
NE	1.7	.7	.4	.1								2.7	2.7
ENE	.7	7.1	.7									2.7	7.1
E	1.7	2.4	1.2									4.8	1.7
ESE	.7	2.4	1.7	.3								4.8	1.7
SE	.7	1.7	1.7	.3								4.8	1.7
SSE	1.7	7.2	7.7	7.1								17.7	7.1
S	1.7	4.7	5.7	2.4	.1							17.7	7.1
SSW	.7	.7	7.1	1.4	.3							17.7	7.1
SW	.7	1.7	1.7	1.7	.1							4.8	1.7
WSW	.7	7.1	7.1	1.7								2.7	7.1
W	1.7	1.7	7.3	1.7								6.8	7.1
WNW	.7	.7	1.7	1.7	.4							4.8	1.7
NW	.7	.7	1.4	1.7	.7	.1						3.8	1.7
NNW	.4	.7	1.7	.6	.7							6.1	7.1
VARBL													
CALM												1.7	
	11.7	21.7	32.4	14.5	1.7	.1						17.7	7.1

TOTAL NUMBER OF OBSERVATIONS 17

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1000 STATION NAME 1000 YEARS 1000 MONTH 1000
 CLASS 1000 CONDITION 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	4.7	1.2								1.1	1.4
NNE	1.1	.1	1.4	.1								.1	.1
NE	.1	1.1	.1	.1								.1	.1
ENE	.1	1.1	.1									.1	.1
E	.1	2.2	2.3	.1								1.7	1.1
ESE	.1	1.1	1.1	.1								.1	.1
SE	.1	1.1	2.5	.1								1.1	.1
SSE	.1	2.7	3.5	1.7	.1							.1	.1
S	.1	1.1	4.1	4.2	.8	.1						1.1	1.1
SSW	.1	.1	3.3	3.6	1.1							.1	.1
SW	.1	2.1	1.3	2.7	.2							1.1	.1
WSW	.1	1.1	2.1	2.3	1.1	.1						1.1	.1
W	.1	.1	2.1	3.6	.4	.1						1.1	.1
WNW		.1	2.1	4.5	.4	.1						1.1	.1
NW		.4	1.9	2.5	.1							1.1	.1
NNW		.1	1.1	2.3	.1	.1						1.1	.1
VARBL													
CALM													
	.1	19.7	18.1	10.9	5.2	.7						1.1	.1

TOTAL NUMBER OF OBSERVATIONS 1000

ALCANTARA, J. R.

1970-1971

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

407	ALL WEATHER	70-71	1970-1971
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		12-1-1
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	3.4	1.1	.1							6.7	3.1
NNE	.1	.1	1.1	1.1								2.4	1.0
NE	.1	1.1	1.1	.2								2.4	1.0
ENE	.1	2.2	1.1									3.4	1.0
E	.7	3.4	1.1									4.2	1.0
ESE	.1	1.2	.7									2.4	1.0
SE	.1	1.1	1.7	.7		.1						3.4	1.0
SSE	.1	.1	2.1	1.6	.2	.1						4.1	1.0
S	.1	1.1	4.2	5.6	1.4	.1						12.5	1.1
SSW	.1	1.1	2.2	4.1	1.6	.1						12.5	1.1
SW	.1	1.1	2.1	4.0	.2	.2						7.7	1.1
WSW	.1	.1	2.6	2.6	.2	.2						7.2	1.1
W	.1	1.1	1.7	2.6	1.2	.1						7.2	1.1
WNW	.1	.1	1.2	4.2	.5	.1						6.4	1.1
NW	.1	.1	2.6	7.3	.4							7.3	1.1
NNW	.1	1.1	2.6	2.6	.5							7.7	1.1
VARBL													
CALM												1.0	
	.1	17.0	22.7	34.1	7.3	1.2						5.2	1.0

TOTAL NUMBER OF OBSERVATIONS 1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4000 STATION NAME ALL WEATHER YEARS 74-81 MONTH 15.0-17.0
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	4.5	1.5								7.5	5.5
NNE	.5	.7	1.5	.4								3.1	7.7
NE	.5	1.5	1.5	.1								3.5	.8
ENE	.5	.7	.5									2.5	6.1
E	1.5	2.3	1.1	.1								3.1	5.1
ESE	.5	.9	1.5									3.5	5.3
SE	.4	1.5	1.4	.6								4.5	6.5
SSE	.1	1.5	2.7	2.7	.1							6.5	6.7
S	.4	1.1	4.7	5.1	1.7							13.5	11.5
SSW	.1	.7	3.6	4.1	1.5							13.1	12.1
SW	.5	.5	3.5	2.5	.1		.1					6.5	10.3
WSW	.1	.4	1.5	2.1	.4	.4						4.5	12.5
W	.1	1.1	2.3	1.1	.4	.2						7.5	11.4
WNW	.1	1.5	2.3	2.2	1.5	.1						7.5	11.5
NW	.1	.7	2.1	2.7								5.7	15.7
NNW		.5	2.5	3.2	.1							7.5	16.2
VARBL													
CALM												3.3	
	1.5	1.4	14.6	31.4	5.4	.7	.1					17.5	11.5

TOTAL NUMBER OF OBSERVATIONS 11

U.S. CLIMATOLOGY BRANCH
TAC
STATION SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 143 ST LEONARD WOOD NO YEARS 72-81 APP 1980
STATION NAME STATION SERVICE/MAC NORTH 1310-1300
ALL WEATHER CLAS
CONDITION HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.1	3.2	.9								5.2	6.5
NNE	.2	1.6	.6	.1	.1							2.2	6.5
NE	1.1	1.1	1.6									3.7	6.5
ENE	1.2	1.3	.2	.1								2.5	4.7
E	2.6	1.7	1.2									4.7	4.7
ESE	.7	.5	.5									1.7	4.7
SE	.2	.2	1.2	.6								2.3	6.7
SSE	1.2	3.1	2.2	2.0	.2	.1						8.9	7.7
S	.7	4.7	4.6	5.1	1.2							19.3	9.4
SSW	.1	2.2	2.2	2.5	.1							7.5	9.4
SW	.5	1.2	1.7	.6	.1							4.2	7.7
WSW	.2	1.1	.4	.4								2.7	6.7
W	1.2	1.6	1.2	.6	.5	.2						5.7	6.2
WNW	.4	1.4	1.9	1.4	.4	.2						5.3	9.7
NW	.4	1.2	2.2	.6	.1							4.3	8.2
NNW	.7	2.2	1.7	.9	.1							5.4	7.4
VARBL													
CALM												12.1	
	13.3	24.2	26.6	15.7	3.3	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME FILLMORE ROOM YEARS 1967-1968

ALL DATA CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.7	.5								1.0	1.0
NNE	.7	.7	.5	.2								1.0	1.0
NE	.9	1.0	.3									1.0	1.0
ENE	.7	1.4	.3									1.0	1.0
E	1.7	2.4	2.7									1.0	1.0
ESE	.6	1.2	.2									1.0	1.0
SE	1.4	2.1	1.4	.3								1.0	1.0
SSE	.7	3.0	3.5	2.1								1.0	1.0
S	1.4	4.4	7.7	4.6	.2							1.0	1.0
SSW	.9	2.1	2.1	1.4	.2	.2						1.0	1.0
SW	.2	1.0	.8	.2								1.0	1.0
WSW	1.7	.5	.7		.3							1.0	1.0
W	.2	1.7	.5	1.1	.2							1.0	1.0
WNW	.7	.5	.6	.3	.5							1.0	1.0
NW	.7	1.1	.6	.5	.5	.2						1.0	1.0
NNW	.5	1.4	1.1	.2		.2						1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
	14.4	26.2	26.1	11.1	2.3	.5						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 41004 STATION NAME 72-11 YEARS APR
 CLASS ALL WEATHER MONTH NORTH
 HOURS (L.S.T.) ALL
 CONDITION

SPEED KMTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.4	1.7	.0							6.9	7.7
NNE	.0	.0	.4	.8	.0							2.4	7.0
NE	.0	1.0	.0	.1								2.0	8.0
ENE	.0	1.0	.4	.0								2.0	8.0
E	.0	2.4	1.0	.0								3.0	8.0
ESE	.0	1.0	.0	.1								3.0	8.0
SE	.0	1.0	1.7	.9		.0						4.0	7.0
SSE	.0	.0	3.0	1.0	.1	.0						4.0	7.0
S	.0	2.0	3.2	4.7	1.0	.1						14.0	4.0
SSW	.0	1.0	2.0	2.0	.8	.0						7.0	10.0
SW	.0	1.0	1.0	1.0	.3	.0	.0					3.0	9.0
WSW	.0	.0	1.0	1.0	.4	.1						3.0	9.0
W	.0	1.0	1.7	1.0	.4	.1						5.0	9.0
WNW	.0	.0	1.0	2.4	.0	.1						3.0	11.0
NW	.0	.0	1.0	1.0	.3	.0						4.0	10.0
NNW	.0	1.0	2.1	1.7	.4	.0						3.0	9.0
VARBL													
CALM													
	1.7	23.0	51.3	22.6	4.1	.6	.0					100.0	

TOTAL NUMBER OF OBSERVATIONS 4100

12.0000000000000000
 7.0
 12.0000000000000000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1452 STATION NAME FT LEONARD WOOD MC YEARS 21, 75
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	.0									.0	.0
NNE	.0											.0	.0
NE													
ENE	1.1											1.1	.0
E	1.1											1.1	.0
ESE	.0	1.1	.0									1.1	.0
SE	3.0	9.7	3.8									17.5	3.1
SSE	3.0	2.7										5.7	3.0
S	.0	1.1	3.8	0.7								5.6	1.0
SSW	1.2	2.7	2.2									7.0	4.4
SW	.0	1.1	3.8	.5								5.4	7.7
WSW	1.1	.0	.5	1.1								3.2	7.0
W	.0	2.7	.5									3.2	5.1
WNW	.0	1.1										1.1	3.7
NW	.0	.5										1.1	4.0
NNW		1.1										1.1	5.3
VARBL													
CALM												5.7	
	17.3	27.0	15.7	4.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 145

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MAY

NORTH

ALL WEATHER

CLAS

700-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	0.7									3.8	3.8
NNE	0.0	0.0	0.0									1.1	3.8
NE	0.0	1.1	0.0									1.4	4.4
ENE	0.0	0.7	0.0									1.4	3.8
E	0.0	1.1	0.0									4.1	3.8
ESE	1.0	1.0	0.0									3.5	4.8
SE	0.0	4.7	1.1									7.4	4.2
SSE	0.0	0.0	1.0									13.2	4.3
S	0.0	3.4	1.0	0.6								9.5	5.4
SSW	1.0	0.0	1.4	0.7								3.6	5.7
SW	0.0	2.2	1.7	0.6								9.5	6.4
WSW	0.0	0.0	0.6	0.6								3.0	5.6
W	0.0	2.2	1.7	0.3								6.0	5.8
WNW	0.0	1.1	0.3	0.3								2.9	5.8
NW	0.0	0.0	0.3		0.6							4.3	7.4
NNW	0.0	0.0	1.1									1.7	7.2
VARBL													
CALM												25.6	
	27.1	11.1	12.9	2.8	0.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

300

U.S. AIR FORCE
 1945
 AIR FORCE SERVICE 7-1

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4457 STATION NAME PT. LEONARD WOOD NO. 73-1 YEARS MONTHS 4-1-1945
 CLASS ALL WEATHER HOURS (L.S.T.) 400-1000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.0	.5	.2								2.8	3.1
NNE	.7	1.2	.7									2.7	3.2
NE	.1	.7	.4									1.6	4.4
ENE	.1	1.2	.6									2.8	5.1
E	1.6	2.5	.5	.2								3.1	5.1
ESE	1.7	2.1	.2									3.5	4.4
SE	1.2	3.2	1.1	.1								6.2	4.8
SSE	.4	7.1	2.6	.5								13.5	4.7
S	1.4	5.1	2.1	.7	.1							12.3	3.8
SSW	.7	1.2	2.1	.9	.1							5.5	5.0
SW	.2	1.5	2.2	.2								4.8	5.5
WSW	1.2	1.2	1.6	.2								4.1	5.7
W	1.5	2.9	1.4	.5								6.0	5.7
WNW	.5	1.1	.9	.4								2.8	6.4
NW	.5	.4	1.2		.2	.1						2.5	6.5
NNW	.7	1.5	1.3	.2								3.3	6.4
VARBL													
CALM												15.5	
	22.7	36.1	20.8	4.3	.5	.1						17.4	4.7

TOTAL NUMBER OF OBSERVATIONS 210

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44037 STATION NAME FT LONARD WOOD MO YEARS 73-81 DAY 1507-110
 MONTH NORTH
 CLASS ALL WEATHER
 CONDITION HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	2.3	1.2								3.4	7.7
NNE	.7	2.2	1.2	.1								4.2	6.5
NE	1.1	2.3	1.2									4.5	6.7
ENE	1.1	2.5	1.1									4.7	6.3
E	1.2	3.4	1.1	.1								6.2	6.4
ESE	1.1	1.7	.5									3.7	6.4
SE	.6	2.2	.5	.2								3.5	6.1
SSE	1.4	3.1	2.2	1.0								7.7	6.5
S	1.3	3.7	4.9	2.8	.1							12.5	6.0
SSW	.4	1.3	4.1	2.9	.6							9.2	9.2
SW	.5	1.4	2.6	1.7	.5							6.7	9.2
WSW	.6	2.4	2.5	1.3								7.1	7.3
W	.7	1.9	1.9	1.2								5.9	7.4
WNW	.6	.5	1.9	1.0	.1							4.1	6.5
NW	.7	1.2	2.4	.6		.2						5.3	6.7
NNW	.5	.5	2.7	.8		.1						3.9	9.1
VARBL													
CALM												4.9	
	13.0	71.2	32.7	15.1	1.3	.4						103.5	7.0

TOTAL NUMBER OF OBSERVATIONS 875

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 487 STATION NAME LEONARD WOOD 40 YEARS 73-81 MONTH NOV
 CLASS ALL WEATHER MONTHS (L.S.T.) 1000-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.4	.4								5.1	7.1
NNE	.4	1.7	1.7	.1								4.1	5.4
NE	1.7	2.2	1.4									5.3	4.8
ENE	1.7	1.7	.4	.1								4.7	5.4
E	1.7	1.7	2.3									4.7	5.7
ESE	.6	1.7	1.5									4.3	4.4
SE	.6	1.4	.7	.1								4.0	5.6
SSE	.6	2.3	2.2	1.3								7.7	7.1
S	1.4	3.7	4.2	3.7	.1							12.5	8.7
SSW	.7	2.3	4.2	3.7	.7							12.4	8.1
SW	.7	1.3	3.4	1.6	.7							7.0	7.1
WSW	.6	1.6	1.1	1.7	.7							4.7	7.1
W	.6	1.2	2.4	2.2								6.3	7.1
WNW	.4	.6	1.4	.7	.1							3.5	5.1
NW	.4	1.7	2.5	1.7	.1	.2						6.6	8.7
NNW	.7	1.7	2.6	1.9	.1							6.7	8.9
VARBL													
CALM													
	11.0	28.7	33.0	18.2	2.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 670

U.S. AIR FORCE
 100-100
 100-100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 STATION NAME ALL LEONARD WOOD ME YEARS 77-81 MONTH MAY
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
VARBL	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0.0	0.0
	1.0	30.0	35.1	14.9	1.9	.7	.0	.0	.0	.0	.0	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 675

41. CLIMATOLOGY - WIND
 1110
 1. TOTAL SERVICE YEAR

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1450 STATION NAME PT LEONARD WOOD MD YEARS 73-81

ALL WEATHER CLASS

CONDITION

NAV
 NORTH
 1800-1000
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.4	1.7									5.1	4.7
NNE	1.0	1.4	.1									2.5	3.4
NE	2.5	1.6	.4									4.4	3.4
ENE	1.0	2.0	.2		.1							4.3	4.0
E	.7	1.0	.5									3.5	3.0
ESE	1.1	.5	.5									2.2	4.3
SE	2.5	1.1	.4	.1								3.6	4.0
SSE	2.5	2.6	1.7	1.4								8.3	6.2
S	2.6	6.5	4.2	1.7	.2							15.2	6.6
SSW	1.1	1.8	2.0	1.1	.2							6.2	7.5
SW	.2	.4	.5	.2								1.3	4.7
WSW	.4	1.3	.6	.1								2.4	5.6
W	1.0	1.6	1.3	.4								4.2	5.2
WNW	.6	.6	.2	.4								2.4	5.4
NW	.5	1.1	1.2	.4	.1							3.4	7.3
NNW	.6	1.1	1.0	.5								4.2	7.1
VARBL													
CALM												23.0	
	21.0	29.9	15.2	6.2	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 634

U.S. AIR FORCE
 AFM 7-10.1
 1. WEATHER SERVICE/FAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME FILLMORE AFB YEARS 77-81 MONTH MAY
 CLASS ALL 1987-81
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	.6									4.9	4.9
NNE	1.2											4.9	4.9
NE	.6	.6	.4									4.9	4.9
ENE	1.1	1.2	.6									4.9	4.9
E	.6	1.2	.6	.2								4.9	4.9
ESE	1.2	1.2	1.2	.2								4.9	4.9
SE	.6	1.2	.6	.2								4.9	4.9
SSE	1.2	4.2	1.2	.2								4.9	4.9
S	7.2	7.2	.6	1.3								4.9	4.9
SSW	1.2	1.2	1.2	.4	.2							4.9	4.9
SW	.6	1.2	.6	.2								4.9	4.9
WSW	.6	.6	.6									4.9	4.9
W	.6	.4										4.9	4.9
WNW	1.2	1.2	.6	.4								4.9	4.9
NW	.4	.6	.6	.4								4.9	4.9
NNW	.6	.6	.4									4.9	4.9
VARBL												4.9	4.9
CALM												4.9	4.9
	24.4	24.4	12.3	3.5	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4 STATION NAME ALL - ATMO YEARS 77-81 MONTH ALL
 CLIM ALL
 HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	1.3	.3								.2	1.1
NNE	.7	1.	.6	.1								.2	.1
NE	1.2	1.1	.7									.6	.4
ENE	1.	1.	.7	.1	.2							.7	.4
E	1.2	2.2	.7	.1								.3	.4
ESE	1.2	1.4	.6	.1								.1	.4
SE	1.	2.7	.6	.2								.6	.4
SSE	.7	3.2	1.2	.9								.4	.7
S	2.1	4.7	4.2	2.1	.1							1.6	2.1
SSW	.1	1.	3.2	1.6	.4	.1						.7	.1
SW	.1	1.4	2.1	.1	.2							.6	.2
WSW	.1	1.1	1.3	.7	.1							.4	.6
W	.1	1.7	1.6	.9	.1							.1	2.1
WNW	.1	.1	1.1	.6	.1							.1	2.4
NW	.7	1.1	1.6	.7	.2	.1						.1	1.6
NNW	.1	1.3	1.1	.3	.1	.1						.3	.1
VARBL													
CALM												24.3	
	1.1	30.3	25.1	16.0	1.1	.2						11.6	5.7

TOTAL NUMBER OF OBSERVATIONS 1007

CLIMATE DATA - HANCH
TAC
STATION NAME

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALL WEATHER YEARS: 1975 MONTH: JUN

CLASS: ALL WEATHER HOURS (L & T): 0000-2400

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE			1.1									1.1	1.1
E		1.1	1.1									2.2	2.2
ESE	1.1	1.1	1.1									3.3	3.3
SE	1.1	1.1	1.1									3.3	3.3
SSE	1.1	1.1	1.1									3.3	3.3
S	1.1	1.1	1.1									3.3	3.3
SSW	1.1	1.1	1.1	1.1								4.4	4.4
SW	1.1	1.1	1.1	1.1								4.4	4.4
WSW		1.1	1.1									2.2	2.2
W			1.1									1.1	1.1
WNW			1.1									1.1	1.1
NW		1.1										1.1	1.1
NNW		1.1										1.1	1.1
VARBL													
CALM													
	1.1	1.1	1.1	1.1								4.4	4.4

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-27 STATION NAME LEWIS & CLARK MTS YEARS 70-73 01
 CLASS ALL WEATHER NORTH
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.1	.3									1.1	2.7
NNE	.1	.1										.2	1.7
NE		.1										.1	1.0
ENE	.1	.1										1.2	2.1
E	2.1	.7										2.7	2.7
ESE	.1	.1	.3	.3								1.1	2.7
SE	1.2	2.0	.3									2.0	4.2
SSE	7.1	7.2	.3									15.1	3.7
S	.1	1.7	3.7	.3	.7							15.2	3.7
SSW	1.2	1.1	1.1	.3		.1						3.5	7.1
SW	1.1	2.1	3.7	.3								3.2	5.3
WSW	1.2	2.1		.3								3.1	3.0
W	1.2	2.1	1.2	.3								3.2	3.7
WNW	.1	.1	.3	.3								1.1	3.7
NW	.7	.7	.3	.3								1.4	3.0
NNW													
VARBL													
CALM												75.1	
		19.1	11.2	4.2	.7	.7						11.2	2.7

TOTAL NUMBER OF OBSERVATIONS 33

HEADQUARTERS BRANCH
TAC
NATIONAL SERVICE/NAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME LEONARD WOOD RD YEARS 73-81 MONTH JUL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.4	.1								3.6	2.5
NNE	.1	1.0	.7									2.8	4.0
NE	.7	1.0	.7									3.1	4.3
ENE	.7	.1										.8	2.0
E	.1	.7	.7									1.5	2.7
ESE	.1	1.0										2.1	3.7
SE	1.0	1.0	.1	.1								2.4	3.0
SSE	3.7	3.6	1.6	.1								11.1	4.0
S	4.7	9.6	3.6	.9								18.9	5.8
SSW	1.0	2.0	3.7	1.9								7.6	7.0
SW	1.0	3.6	2.1	1.1								7.4	5.7
WSW	1.4	3.1	1.1	.6								6.2	5.9
W	1.7	2.0	1.4	.1								5.2	5.1
WNW	.1	1.0	.5	.3								1.7	5.7
NW	.9	.5	.9	.1								2.4	6.5
NNW	.1	1.4	.1	.1								1.7	4.5
VARBL													
CALM												15.0	
	28.0	27.2	17.9	5.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 101

RECEIVED BY MAIL
JUL 64
STATION 4000 20

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4000 20 STATION NAME 77-01 YEARS JUL NORTH
ALL WEATHER CLASS 1960-1961
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.0	1.1	.2								4.4	5.0
NNE	.1	1.4	.7									2.5	1.3
NE	1.1	1.4	.2									2.7	4.1
ENE	.1	1.2	.2									1.5	4.4
E	1.4	1.7	.5									3.6	4.0
ESE	.1	1.1	.2									1.4	4.0
SE	1.1	1.1	1.1	.1								3.7	5.0
SSE	1.1	3.0	1.9	.4								6.4	5.0
S	1.7	4.2	4.1	2.0								12.0	7.1
SSW	.1	3.3	5.9	2.3	.2	.1						12.6	6.1
SW	.1	3.1	3.2	3.7	.2	.1						17.7	6.4
WSW	.1	4.8	2.6	2.8								11.2	7.0
W	1.1	4.0	3.3	.7								9.3	5.1
WNW	.1	1.1	1.2	1.0								3.7	7.1
NW	.1	.7	1.5	.5								3.2	7.7
NNW	1.1	.1	1.2	.6								3.7	6.1
VARBL													
CALM												1.7	
	14.0	35.6	33.0	14.4	.5	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 21

U.S. CLIMATOLOGY BRANCH
 14C
 15TH SERVICE/MSC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 451 STATION NAME LEONARD WOOD AC YEARS 1951 MONTH JUL
 CLASS ALL WEATHER
 CONDITION 11-14-51
 HOURS (L.S.T.) 11-14-51

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	.5	.1							4.1	7.4
NNE	.0	2.1	.6									2.7	4.0
NE	.0	2.0	.5									2.5	3.0
ENE	1.0	.0	.2									1.2	3.0
E	1.2	1.0	1.0									3.2	4.7
ESE	.0	1.0	.7	.1								1.7	3.0
SE	.0	2.0	1.0									3.0	5.7
SSE	1.0	2.0	1.4	.1								4.6	1.0
S	1.1	5.0	5.0	7.1	.0							18.1	7.0
SSW	.0	2.1	4.7	4.3	.1							13.1	6.0
SW	.0	.0	2.2	4.3	7.2	.1	.0					13.6	6.0
WSW	1.2	2.3	2.2	1.4								7.1	7.0
W	.0	3.3	3.1	1.2								7.6	6.0
WNW	.0	1.0	2.1	1.4	.1							4.6	6.0
NW	.0	1.0	1.1	.7								3.7	7.0
NNW	.0	1.0	1.7	.5								4.4	7.0
VARBL													
CALM												3.0	
	11.7	35.4	31.9	15.7	.7	.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 512

U.S. DEPARTMENT OF COMMERCE
NATIONAL SERVICE CENTER

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 STATION NAME PT LORNADE 4000' MD YEARS 73-81 MONTH JULY
CLASS ALL WEATHER HOURS (L.S.T.) 17 0-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	1.4	.6	.1							2.8	3.2
NNE	.8	1.5	.2									2.2	4.2
NE	1.7	1.6	.1									3.3	3.0
ENE	1.5	.7	.2									2.3	3.2
E	1.7	2.0	.6									4.2	4.0
ESE	1.2	.7	.6									2.3	4.2
SE	1.5	1.1	.9									3.3	3.0
SSE	1.7	1.6	2.3									5.7	5.0
S	1.5	4.1	6.5	3.0								15.2	7.7
SSW	.6	3.0	4.2	4.4	.2							14.3	7.0
SW	.8	2.0	3.0	3.2								7.8	6.0
WSW	.7	3.0	2.1	.6	.2	.1						7.7	7.1
W	.8	2.0	3.6	.4								5.5	7.1
WNW	.8	2.3	1.4	.2								4.4	6.1
NW	.4	.7	1.6	.7								3.5	6.4
NNW	.6	1.6	1.9	1.0	.1							5.2	7.0
VARBL													
CALM												5.0	
	10.3	31.4	32.6	13.2	.7	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 810

U.S. CLIMATOLOGY BRANCH
 AFAC
 ENT-100 SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1400
 STATION

FT. LINDSEY, WOOD CO.

73-81

STATION NAME

YEARS

JUN

MORRIS

ALL WEATHER

CLASS

1900-1971
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.0	.0	.3								4.7	4.7
NNE	.7	1.0	.7									3.4	4.7
NE	.0	.4	.1									1.0	3.0
ENE	1.2	.7	.1									1.0	3.0
E	1.2	1.4										2.6	3.0
ESE	2.4	.0	.5									3.0	3.7
SE	.0	1.0	.4	.1								4.1	4.7
SSE	.7	4.0	1.7	.4								9.7	4.0
S	.5	8.0	3.3	1.7								11.0	5.0
SSW	1.0	3.0	3.0	.7								10.0	5.0
SW	.0	1.5	.0	.3								3.7	5.0
WSW	1.0	1.2	.4	.1								3.0	5.0
W	1.0	1.7	.5	.1								3.7	4.7
WNW	1.4	.7										2.1	3.0
NW	1.0	1.0	.8									3.0	4.7
NNW	.0	.0	.0	.1								2.1	3.0
VARBL													
CALM													
	27.3	30.0	17.3	3.8								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

76.7

U.S. DEPARTMENT OF COMMERCE
NATIONAL SEA SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1400 STATION NAME LEONARD GOOD MD YEARS 73-81 DATE JUN
 CLASS ALL WEATHER MONTH JUN
 CONDITION _____ HOURS (L.S.T.) 11.7-20.0

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.5	.7	.2								2.6	3.4
NNE	.3	.2										1.5	3.0
NE	.3		.2									1.5	3.4
ENE	.4		.2									.7	3.7
E	1.2	.2										1.4	2.8
ESE	1.2	1.6	.2									3.7	3.9
SE	.3	1.9	.9									3.1	4.1
SSE	1.1	5.6	2.8	.2								10.9	4.2
S	4.6	7.2	6.7	.9								19.3	5.7
SSW	1.5	1.4	1.6									4.5	5.4
SW	1.1	2.1	.9	.2								4.5	5.1
WSW	1.2	.7	.2									2.1	3.7
W	.7			.2		.3						1.2	3.0
WNW	.3	.2		.2								.7	6.0
NW	.3		.2									.5	5.5
NNW	.2	.2										.5	4.0
VARBL													
CALM												32.9	
	23.1	21.2	14.8	2.1		.2						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 431

1

U.S. AIR FORCE WEATHER SERVICE
 11710
 11710

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 457 STATION NAME FT LONNARD 4000 MO YEARS 73-81 NORTH NORTH
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	1.0	.3	.7							4.1	8.0
NNE	.7	1.2	.4									2.2	4.0
NE	.5	1.2	.2									2.2	4.1
ENE	.1	.6	.2									1.3	1.7
E	1.3	1.1	.5									3.1	4.1
ESE	1.1	1.1	.4	.0								2.7	4.4
SE	1.0	1.2	.7	.1								4.2	4.4
SSE	.4	4.1	1.0	.2								5.4	4.7
S	1.3	6.4	3.1	1.8	.1							17.0	8.4
SSW	1.2	2.5	4.3	3.3	.1	.1						10.4	8.2
SW	1.7	2.2	2.6	1.7	.1	.1						7.6	7.4
WSW	1.7	2.2	1.6	1.0	.0	.0						5.5	6.7
W	1.1	2.4	1.0	.5		.0						5.7	6.3
WNW	.7	1.2	.2	.5	.0							3.2	6.6
NW	.7	.2	1.0	.4								2.9	6.9
NNW	.0	1.1	.9	.4	.0							3.2	6.7
VARBL													
CALM												14.2	
	20.4	32.3	23.5	8.1	.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 4634

U.S. DEPARTMENT OF COMMERCE
NATIONAL SERVICE CENTER

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME ST. LEONARD, GOOD HO YEARS 17,75 MONTH JUL
CLASS ALL WEATHER
CONDITION _____
HOURS (L.S.T.) 0000-2359

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0		0.6									1.0	0.7
NNE	1.0											1.0	1.0
NE	1.0											1.0	1.0
ENE	0.6	0.6										1.0	1.0
E	1.0	0.6										1.0	1.0
ESE	1.0	1.0										2.0	2.0
SE	7.0	3.0										10.0	7.0
SSE	2.4	2.4	0.6									5.0	3.0
S	1.0	3.0	0.6									4.6	3.0
SSW	1.0	1.0	1.0									3.0	3.0
SW	1.0		0.6									1.6	4.0
WSW	3.0	3.0	0.6									6.6	3.0
W	1.0	1.0	0.6									2.6	4.0
WNW	0.0											0.0	2.0
NW												0.0	2.0
NNW	0.6		0.6									1.2	5.0
VARBL													
CALM												40.0	
	12.0	17.2	5.3									34.5	1.0

TOTAL NUMBER OF OBSERVATIONS 167

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-01-2001 BY 60324

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

407	LA LUNA, MEXICO	73-74	JUL
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			1300-1500
CLASS			NOON (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	0										1.2	4.1
NNE	0	0.2										0.2	0.1
NE	0											0.1	0.1
ENE	0.2											0.2	0.1
E	0.2	1.2										1.4	4.1
ESE	1.2	0	0.2									1.4	4.1
SE	0.2	1										1.2	3.1
SSE	0.2	0.2	0.2									0.6	1.1
S	1.1	4.5	0.2									5.8	3.1
SSW	0.2	0.2	0.2									0.6	1.1
SW	0.2	0.2	0.2									0.6	1.1
WSW	0.2	0.4	0.2									0.8	1.1
W	1.2	0.2	0.2									1.6	3.1
WNW	1	0.2										1.2	3.1
NW	0.4	0.2	0.2									0.8	1.1
NNW	0	0.3										0.3	0.1
VARBL													
CALM												4.4	
	20.6	25.4	4.5									50.5	2.1

TOTAL NUMBER OF OBSERVATIONS 234

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 400 STATION NAME LEONARD WOOD PT YEARS 73-81 MONTH JUL
 CLASS ALL WEATHER
 CONDITION _____
 HOUR (L & T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0		.1								1.0	1.0
NNE		.4										1.0	1.0
NE	1.0	.2	.1									1.0	1.0
ENE	1.0	.5										1.0	1.0
E	1.1	1.5	.1									2.0	2.0
ESE	1.1	.5	.4									2.0	2.0
SE	1.0	2.2	.1									4.0	4.0
SSE	4.0	4.0	1.0									10.0	10.0
S	4.7	6.3	1.0	.1								12.1	12.1
SSW	.0	2.4	.0	.0								4.0	4.0
SW	1.0	5.9	0.1									7.0	7.0
WSW	.3	0.1	1.7									2.1	2.1
W	.3	.0	2.4	.2								3.0	3.0
WNW		1.0	.0									1.0	1.0
NW	.0	.0	.0									0.0	0.0
NNW	.0	.0	.0									0.0	0.0
VARBL													
CALM												1.0	1.0
	27.3	17.3	12.0	1.0								57.6	57.6

TOTAL NUMBER OF OBSERVATIONS 100

40. DEPARTMENT OF COMMERCE
NATIONAL SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 47 STATION NAME ALL WEATHER YEARS 77-81 NORTH 000
CLASS ALL WEATHER HOURS (L & Y) 0000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	0.0	0.0									0.1	0.1
NNE	0.0	0.0	0.0									0.0	0.0
NE	0.0	0.0	0.0									0.0	0.0
ENE	1.0	1.0	0.1									2.1	0.1
E	0.0	0.0	0.0									0.0	0.0
ESE	1.0	1.0	0.4	0.1								2.5	0.1
SE	1.0	0.0	0.0									1.0	0.0
SSE	0.0	0.0	1.4									1.4	0.0
S	0.0	4.0	1.0	0.1								5.1	0.0
SSW	0.0	1.0	1.0	1.0								3.0	0.0
SW	1.0	2.0	0.1	0.0								3.1	0.0
WSW	1.0	0.0	0.0	0.0								1.0	0.0
W	1.0	0.2	0.0	1.0								2.2	0.0
WNW	0.0	1.0	0.1	0.0								1.1	0.0
NW	0.0	1.0	1.0	0.1								3.1	0.0
NNW	0.0	0.0	1.0									1.0	0.0
VARBL													
CALM													
	2.0	4.0	2.0	4.2								10.2	0.0

TOTAL NUMBER OF OBSERVATIONS 1000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0		.1							.1	1.0
NNE	1.1	1.0	.5									1.0	1.1
NE	1.0	1.0										1.0	1.0
ENE	1.0	1.0	.1									.1	1.0
E	1.0	1.0	.1	.1								.1	1.0
ESE	.1	1.0	.1									.1	1.0
SE	.1	1.0	.1									.1	1.0
SSE	1.0	1.0	1.1									1.0	1.0
S	1.0	4.0	1.4	.7								.7	1.0
SSW	.1	1.0	1.1	.1								.1	1.0
SW	.1	1.0	1.1	1.1								.1	1.0
WSW	1.0	1.0	1.1	.7								.7	1.0
W	1.0	1.0	1.1	1.1								1.1	1.0
WNW	.1	1.0	1.1	.1								.1	1.0
NW	1.0	1.0	1.1	.1								.1	1.0
NNW	.1	.1	.1	.1								.1	1.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

AG-A116 091 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (1)
APR 82
UNCLASSIFIED USAF/TAC/DS-82/023 SBI-AD-E850 170 NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC(1)

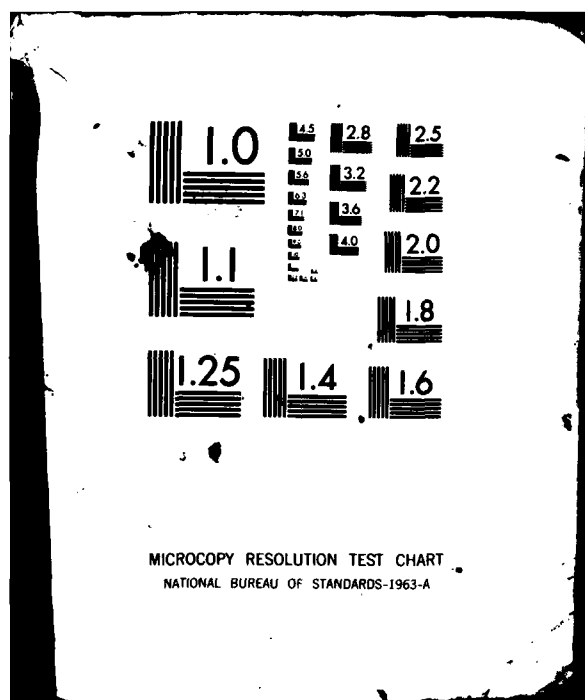
APR 82
USAFILTAC/DS-82/023

SBI-AD-E850 170

NL

2. 5

$$f_{\text{max}} = 1.0 \text{ Hz}$$



U.S. AIR FORCE
 CLIMATE BRANCH
 AFMPC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH JUL
 CLASS ALL WEATHER
 CONDITION 1500-1700
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	5.1	2.2	.1								3.6	5.6
NNE	1.4	1.7	.4									3.6	4.2
NE	2.1	1.9	.2									4.2	3.7
ENE	1.7	2.1	.1									3.5	4.0
E	2.2	1.9	.1	.1								4.3	4.3
ESE	1.2	1.9	.6	.1								3.9	4.7
SE	.7	1.4	.6	.1								2.9	5.0
SSE	2.1	3.7	.6	.1								6.5	4.3
S	1.5	5.2	2.9	.6								10.0	6.1
SSW	1.6	2.9	3.1	.8								8.5	6.8
SW	.5	3.6	4.0	.1								8.2	6.9
WSW	1.0	2.7	4.0	.8								9.5	7.2
W	1.2	1.3	3.9	.4								7.2	6.8
WNW	.7	2.5	.8	.1								4.2	5.2
NW	.6	1.4	1.2									3.3	5.9
NNW	.6	1.6	1.6	.1								3.9	5.9
VARBL													
CALM												3.7	
	17.8	41.5	26.3	3.6								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 878

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14457 STATION NAME PT LEONARD WOOD MO YEARS 77-81 MONTHS JUL
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.3	.4	.1								5.7	4.2
NNE	1.5	.7										1.7	3.4
NE	.9	.7										1.6	3.4
ENE	2.3	1.7	.1									3.9	3.1
E	2.9	1.9	.1									4.8	3.3
ESE	2.4	1.6	.5	.1								4.6	4.1
SE	2.1	2.0	.2									4.3	3.7
SSE	4.0	2.9	.5									7.3	3.6
S	5.5	5.6	2.9	.2								14.2	4.6
SSW	1.5	2.9	.6									5.0	4.5
SW	2.2	2.1	1.2									5.6	4.4
WSW	1.7	2.6	.9				.1					5.3	5.1
W	1.1	1.2	.2									2.6	4.3
WNW	.9	.5			.2							1.6	5.3
NW	.9	.7	.2	.1								2.0	4.8
NNW	.6	1.2	.1									2.0	4.4
VARBL													
CALM												27.7	
	31.9	31.4	8.1	.6	.2		.1					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 805

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 104457 FT LEONARD WOOD MO 73-81 JUL
STATION NAME YEARS MONTHS
ALL WEATHER 2100-2300
CLASS HOURS (L.O.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.9										2.5	3.1
NNE	.4	1.3	.2									2.5	5.0
NE	.7	.2										.9	2.3
ENE	1.7	.7										2.5	2.4
E	2.2	1.8	.2									4.3	3.4
ESE	3.1	1.8	.4									5.4	3.5
SE	2.5	2.7										5.2	3.6
SSE	7.4	7.0	.4									14.8	3.7
S	3.8	4.7	2.2									16.8	4.6
SSW	1.1	1.8	1.1									4.0	5.0
SW	1.8	2.5	.7									4.9	4.0
WSW	1.6	.7	.4									2.7	3.8
W	1.1											1.1	2.8
WNW													
NW													
NNW	.2	.4	.2									.9	4.5
VARBL													
CALM												35.6	
	28.9	26.5	6.1									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 446

FEDERAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/AFMTC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457
 STATION

FT LEONARD WOOD MO
 STATION NAME

73-81
 YEARS

JUL
 MONTH

ALL WEATHER
 CLASS

ALL
 GROUP (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	.8	.1	.0							4.6	5.0
NNE	1.3	1.1	.2									2.2	4.0
NE	1.5	1.0	.1									2.5	3.3
ENE	1.3	1.3	.1									2.7	3.4
E	1.0	1.7	.3	.0								3.9	3.9
ESE	1.5	1.4	.4	.1								3.4	4.2
SE	1.7	2.0	.3	.0								4.2	3.9
SSE	3.3	3.3	.9	.0								8.0	4.1
S	2.1	5.0	1.9	.3								10.3	4.9
SSW	1.0	2.6	1.5	.5								5.6	6.2
SW	1.5	3.1	2.5	.3								7.3	5.9
WSW	1.7	3.5	2.6	.3			.0					8.2	5.9
W	1.5	3.1	2.9	.5								8.0	6.2
WNW	.9	1.4	1.0	.1	.0							3.3	5.6
NW	.7	.0	.9	.1								2.5	5.6
NNW	.5	1.6	1.0	.1								3.2	5.9
VARBL													
CALM												20.0	
	24.6	35.6	17.4	2.4	.1		.0					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

5066

NATIONAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-457 STATION FT LEONARD WOOD MO 73-74 YEARS AUG MONTHS 0000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.5	1.5										2.2	3.8
ENE	.5	.5										1.1	3.5
E	1.1	1.1										2.2	3.5
ESE	.5	1.1	.5									2.2	4.8
SE	2.2	2.7										4.8	3.9
SSE	10.9	12.9	2.7									26.3	4.1
S	9.7	4.3	1.6									15.6	3.7
SSW	1.1	3.8	2.2									7.0	5.6
SW	1.1	1.6	1.1									3.8	4.6
WSW	2.7	2.2										4.8	2.8
W	.5											.5	1.0
WNW	.5	1.1										1.6	3.7
NW	1.1											1.1	2.0
NNW													
VARBL													
CALM												26.9	
	32.3	32.3	8.1									100.3	2.9

TOTAL NUMBER OF OBSERVATIONS 186

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14457 STATION NAME FT LEONARD WOOD MO YEARS 73-79 MONTHS AUG
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	.3									2.1	4.3
NNE	.5	.9		.3								1.8	5.0
NE	.9	.6	.3									1.3	4.0
ENE	.3		.3									.6	5.5
E		1.2	.3									1.5	5.0
ESE	2.1	.6										2.6	2.7
SE	4.2	2.9	.6									7.6	3.8
SSE	7.0	10.9	.9									18.8	3.9
S	7.6	5.6	1.2	.3								14.7	4.0
SSW	2.1	3.5	1.2									6.7	4.5
SW	2.5	2.6	1.8									7.0	4.7
WSW	2.3	2.1										4.4	3.5
W	1.2	.6	.3									2.1	4.0
WNW	.3		.3									.6	5.0
NW	.5		.3									.9	4.0
NNW	.3	.6										.9	3.7
VARBL													
CALM												26.1	
	32.6	33.1	7.6	.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 341

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0457

ST LIONARD WOOD MC

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-2600

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.6									2.4	4.7
NNE	.6	.6	.1									1.3	3.0
NE	1.5	1.5	.2									3.0	3.6
ENE	.7	.8	.1									1.7	4.0
E	.6	1.0	.1	.2								1.9	5.3
ESE	.7	.8										1.6	3.9
SE	1.9	2.9	.2									5.1	4.7
SSE	4.6	10.5	.6									15.7	4.7
S	6.2	8.3	2.7	.2								17.4	4.7
SSW	1.2	3.3	2.1	.4								6.9	5.3
SW	1.7	3.7	3.1	.5								9.1	6.1
WSW	1.3	3.7	1.7	.2								7.0	5.5
W	1.9	2.9	.6									5.4	4.3
WNW	.4	1.3	.1									1.8	4.3
NW	.1	.4	.7									1.2	6.4
NNW	.2	1.2	.7									2.2	5.7
VARBL													
CALM												15.7	
	25.2	43.8	13.8	1.6								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

827

U.S. AIR FORCE
METEOROLOGICAL BRANCH
METAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14457 STATION FT LEONARD WOOD MO 73-81 YEARS AUG MONTH
0900-1100 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.1									5.1	5.7
NNE	.2	.8	1.0									2.0	6.4
NE	1.1	1.3	.7									3.1	4.9
ENE	2.4	2.5	.4									4.8	4.0
E	3.3	2.4	.7									5.4	4.2
ESE	1.1	1.4	.5									3.0	4.8
SE	1.0	1.3	.6									3.5	4.1
SSE	1.0	2.6	.6	.1								4.3	5.1
S	1.2	4.3	3.5	1.0								10.5	6.4
SSW	.5	2.9	4.3	1.3								9.0	7.6
SW	.8	4.2	4.8	1.7								11.5	7.5
WSW	1.6	4.4	4.1	1.1								11.1	6.6
W	2.2	5.9	3.1	.5								11.6	5.7
WNW	.2	1.7	1.0	.2								3.1	6.7
NW	.6	2.3	.8									3.7	5.3
NNW	.2	1.6	1.1									2.9	6.1
VARBL													
CALM												7.4	
	12.2	40.4	28.1	5.9								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 836

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ED4457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTHS AUG
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	2.3	.1								5.3	6.0
NNE	.7	2.0	.5	.1								3.4	5.1
NE	1.7	1.8	1.1									4.6	4.7
ENE	2.0	1.9	.7	.1								4.8	4.5
E	1.6	2.8	.5									4.8	4.3
ESE	.7	1.6	.7									3.0	5.1
SE	.5	2.6	.5	.1								4.1	4.7
SSE	1.0	2.5	1.4									4.9	5.3
S	2.2	4.1	2.9	1.0								12.1	6.3
SSW	1.1	2.5	4.4	1.9								9.9	7.9
SW	.7	4.0	3.2	.8								8.7	6.9
WSW	.7	4.6	4.4	.5								12.2	6.7
W	1.0	4.6	2.0	.5								8.0	5.9
WNW	1.4	2.0	1.6	.2								5.3	5.6
NW	.5	1.1	.6	.1								2.3	5.7
NNW	.5	2.3	1.7									4.4	6.3
VARBL													
CALM												6.3	
	17.5	42.2	28.5	5.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 875

LOCAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1457 STATION FT LEONARD WOOD MO 73-81 YEARS AUG MONTHS
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.4									5.4	4.3
NNE	.0	2.5	.7									4.1	4.7
NE	1.4	1.7	.5									3.6	4.5
ENE	1.6	2.3	.6									4.4	4.5
E	2.7	3.2	.8		.1							6.7	4.6
ESE	1.6	2.2	.1		.1							3.9	4.6
SE	1.7	2.9	1.7	.1								6.3	5.2
SSE	1.6	3.8	2.0	.5								7.9	5.8
S	1.9	3.8	4.1	1.4								11.2	6.7
SSW	1.1	3.6	4.9	2.5								12.1	7.6
SW	.4	2.9	3.8	1.0								8.0	7.6
WSW	.8	1.7	1.2	.2	.1							4.3	6.3
W	1.0	2.5	1.4	.1								2.0	5.7
WNW	.0	1.1	.5	.2								2.6	5.6
NW	.8	1.2	1.2									3.2	5.8
NNW	1.1	1.9	1.1	.1								4.2	5.4
VARBL													
CALM												6.6	
	21.1	39.4	26.0	6.2	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 837

LOCAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74457 STATION FT LEONARD WOOD MO 73-81 YEARS ALL WEATHER CLASS 1930-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.2	.1									4.0	3.5
NNE	1.2	1.6										2.8	3.6
NE	1.2	.4	.2									2.3	3.7
ENE	2.4	.7	.4									3.5	3.3
E	4.7	2.8	.4		.1							7.9	3.5
ESE	2.6	2.4	.4		.1							5.6	4.0
SE	4.9	3.2	.5	.1								8.8	3.8
SSE	6.1	6.4	1.7									13.4	3.8
S	6.0	6.6	2.4	.4								16.5	4.2
SSW	1.6	4.7	1.4	.2								7.2	5.2
SW	1.1	1.2	.2	.2								2.8	5.1
WSW	1.0	.4	.6									1.9	4.5
W	.8	.2	.4									1.4	4.2
WNW	.5	.1	.1			.1						1.0	5.5
NW	.6	.2	.4									1.2	4.7
NNW	.4	.6	.1	.1								1.2	5.0
VARB													
CALM												18.6	
	37.3	33.2	9.5	1.1	.2	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 834

U.S. AIR FORCE
 WEATHER SERVICE
 CLIMATE BRANCH
 WFO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 457 STATION NAME LT LEONARD WOOD MO YEARS 73-79, 81 ADP ADP
 CLASS ALL WEATHER MONTHS 1100-2300
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7										1.3	3.5
NNE	1.5	.7										3.2	2.8
NE	.7	.7	.2									1.5	4.0
ENE	2.2	.2	.2									2.4	2.5
E	4.1	2.2										5.3	3.1
ESE	2.4	2.2										4.4	3.3
SE	5.5	4.6	.2									10.5	3.3
SSE	5.5	12.9	1.3									19.7	4.3
S	5.7	8.1	4.4	.4								17.9	5.0
SSW	.7	2.2	.7	.2								3.7	5.5
SW	1.1	2.6	.2									3.3	4.4
WSW			.2									.2	5.2
W	.2	.2										.4	3.2
WNW													
NW	.4	.2										.7	2.3
NNW		.2										.2	4.0
VARBL													
CALM												24.7	
	22.5	37.8	7.4	.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 458

U.S. AIR FORCE
METAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4051 FT LEONARD WOOD MO 73-81 ADJ
STATION NAME ALL WEATHER YEARS ADJ
CLASS ALL
CONDITION NOVDS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.9	.0								3.5	4.9
NNE	.1	1.3	.4	.0								2.5	4.6
NE	1.7	1.7	.5									3.1	4.3
ENE	1.7	1.3	.4	.0								3.4	4.1
E	2.3	2.3	.4	.0	.7							5.1	4.1
ESE	1.5	1.6	.3		.0							3.4	4.2
SE	2.6	2.5	.6	.1								5.1	4.1
SSE	3.5	6.5	1.2	.1								11.4	4.4
S	4.2	5.7	3.2	.7								13.8	5.3
SSW	1.1	3.2	3.0	1.0								5.3	6.8
SW	1.1	3.1	2.6	.7								7.4	6.5
WSW	1.1	2.0	2.7	.3	.7							6.1	6.0
W	1.2	2.7	1.2	.2								5.3	5.4
WNW	.6	1.1	.5	.1		.3						2.3	5.6
NW	.0	.0	.6	.0								2.0	5.4
NNW	.4	1.3	.4	.0								2.5	5.8
VARBL													
CALM												13.3	
	21.2	38.9	18.6	3.4	.1	.0						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1154

U.S. AIR FORCE
 CLIMATE BRANCH
 WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-74 MONTH SEP
 CLASS ALL WEATHER
 CONDITION
 PERIOD 1078-0200
 MOON (L.S.V.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.4	1.1									6.1	4.6
NNE	1.7	.6										2.2	3.0
NE	1.7	.6										2.2	3.0
ENE	1.1	2.2										3.4	3.0
E	1.7	.6										2.2	2.7
ESE													
SE	3.4	4.5										7.8	3.6
SSE	3.9	17.1	3.9	.6								18.4	5.1
S	.6	6.1	3.9									10.5	6.1
SSW	1.1	.6	1.7									3.4	3.5
SW	2.2	.6	.6									3.4	3.3
WSW	1.1	1.7										2.8	4.0
W		1.7										1.7	5.0
WNW	1.1											1.1	2.0
NW	.6		.6									1.1	6.0
NNW	1.1	.6	1.1									2.8	5.2
VARBL													
CALM												30.7	
	22.5	13.0	12.8	.6								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 179

U.S. AIR FORCE
 METAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-79 MONTHS SEP
 CLASS ALL WEATHER HOURS 0300-0500
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.3	1.5									1.2	4.3
NNE	.3											.3	3.0
NE	2.4	.3										2.7	2.4
ENE	.7	.3										.6	3.5
E	3.7	.6										3.6	2.3
ESE	.5											.6	2.8
SE	4.3	4.9	.6									9.4	4.3
SSE	6.2	7.7	2.1	.3	.3							17.9	4.6
S	4.3	4.7	1.8									13.0	4.3
SSW	.7	1.2	.9	.6								3.6	6.1
SW	1.6	.3	.6									2.4	3.9
WSW	.5	.3										.9	3.3
W	.7		.6									.9	5.7
WNW	.3	.9	.3	.3								1.8	6.2
NW	.3	.6	.3									1.2	5.3
NNW	.3	.9	.6									1.8	6.5
VARBL													
CALM												70.6	
	22.2	23.1	9.4	1.2	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 329

AL CLIMATOLOGY BRANCH
TAC
CATHY SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1457 FT LONARD WOOD MO 73-61 SEP
STATION NAME YEARS MONTHS
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	1.0									3.3	4.0
NNE	.6	.7	.1									1.4	4.0
NE	1.4	.9										2.3	3.0
ENE	1.9	1.4										3.3	3.3
E	1.6	1.1										2.5	3.1
ESE	.8	.6										1.4	3.1
SE	1.6	2.4	.4									4.4	4.0
SSE	.3	8.9	1.5									16.6	4.0
S	5.5	7.5	2.5									15.5	4.0
SSW	1.0	1.3	1.1	.3								4.1	6.0
SW	1.3	2.1	1.3									4.6	5.4
WSW	1.6	1.5	.5									3.6	4.0
W	1.1	1.1	.1									2.3	3.6
WNW	.9	.8	.1									1.8	3.6
NW	.3	1.3	.3									1.5	3.1
NNW	1.1	2.1	.5									3.6	4.4
VARBL													
CALM												25.7	
	2.2	35.5	9.4	.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 799

U.S. AIR FORCE
CLIMATE BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	2.6									5.4	6.1
NNE	1.5	2.5	.9									4.3	4.5
NE	1.7	2.8	.4	.2								4.5	4.7
ENE	1.7	2.5	.4									4.7	4.8
E	1.6	2.7	.1									4.5	4.7
ESE	1.6	1.6	.1									3.3	3.8
SE	1.5	2.5	.5									4.6	4.4
SSE	2.1	4.2	2.5	.2								9.0	5.7
S	1.7	6.6	4.1	.7								13.1	6.2
SSW	.6	2.7	3.1	1.5								7.2	7.9
SW	1.5	1.7	3.3	1.6	.1							7.7	7.9
WSW	1.5	2.4	2.0	.6								5.9	6.4
W	2.1	2.7	1.5	.1								5.7	5.2
WNW	1.1	.8	.6									2.5	4.9
NW	1.2	1.4	1.2	.1								4.2	5.6
NNW	1.7	2.5	1.4									4.8	5.5
VARBL													
CALM													
	21.5	40.3	24.8	5.2	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 608

U.S. AIR FORCE
METEOROLOGICAL BRANCH
T-20
METEOROLOGICAL SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 SET SEP
 ALL WEATHER 1200-1400
 CLASS NOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.3	2.6	.6								10.3	5.5
NNE	1.0	2.5	.9	.2								5.6	4.8
NE	1.1	1.5	.2									3.2	3.1
ENE	2.3	2.4	.2									2.4	3.2
E	1.7	3.5	.6	.1								5.9	4.5
ESE	1.4	1.6	.5									3.5	4.2
SE	1.5	2.3	1.6									5.5	5.2
SSE	1.9	3.5	1.5									6.8	6.1
S	.9	4.2	3.5	1.4								9.9	7.0
SSW	.1	1.7	3.2	1.7								6.8	5.7
SW	.6	1.9	2.6	1.1								6.2	7.2
WSW	.5	1.5	2.2	.9								4.1	7.6
W	1.1	1.2	1.5	.1								4.9	6.1
WNW	.9	1.4	.7									3.0	4.7
NW	1.6	1.5	1.4	.4								4.9	5.5
NNW	1.7	2.6	2.5	.2								6.3	6.3
VARB.													
CALM												7.9	
	21.0	36.9	25.5	6.8								110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 809

1
 NATIONAL CLIMATOLOGY BRANCH
 AFSTAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457 STATION NAME FT LEONARD WOOD MO YEARS 73-91 MONTH SEP
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	5.2	3.7	.1								10.9	5.4
NNE	1.0	1.4	.5									3.9	3.7
NE	1.9	1.6	.2	.1								3.9	3.9
ENE	2.7	2.4										5.2	3.3
E	2.6	2.2	.4									5.2	3.7
ESE	1.7	2.6	.2									4.6	4.1
SE	2.7	2.1	.6									4.6	4.2
SSE	1.4	3.2	1.5	.4								6.5	5.3
S	1.7	5.6	6.2	.9	.1							14.5	6.9
SSW	1.7	1.6	2.2	1.0								5.8	7.4
SW	.7	1.1	2.1	.1								3.5	7.2
WSW	.7	1.6	1.2	.4								4.0	6.4
W	.4	1.7	.9									3.0	5.4
WNW	.5	.6	.6	.1								1.9	6.2
NW	.7	1.5	.7	.2								3.4	5.5
NNW	1.7	3.2	2.5	.1	.1							7.0	6.2
VARS													
CALM												12.3	
	23.1	37.5	23.0	3.5	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 605

U.S. AIR FORCE
CLIMATE BRANCH
METEOROLOGICAL SERVICE/HAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTHS SEP
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	2.1	1.2	.1	.1							8.0	4.1
NNE	1.2	.4	.4									2.0	3.6
NE	1.2	.4	.1									1.7	3.1
ENE	1.9	.5	.1									2.5	3.2
E	4.1	2.7										6.1	2.9
ESE	2.1	.5	.2									3.0	3.0
SE	2.9	3.4	.4									6.6	3.8
SSE	4.9	4.5	1.0									10.3	3.9
S	2.9	6.2	3.9	.4								13.1	5.7
SSW	.5	1.7	.7	.1								3.1	5.5
SW	.3	.6										1.5	3.3
WSW	.7	.5	.2									1.5	4.3
W	.6	.1										1.2	3.4
WNW	.1	.1	.2	.1								.6	8.4
NW	.7	.2	.2									1.2	3.6
NNW	.6	1.4	.5	.1								2.6	4.9
VARBL													
CALM												34.8	
	29.3	25.1	9.4	.9	.1							120.0	2.7

TOTAL NUMBER OF OBSERVATIONS 802

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10457 STATION NAME FT LEONARD WOOD MO YEARS 23-81 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	2.3	.7									6.1	3.7
NNE	.5	1.6	.2									2.3	4.7
NE	2.0	.5										2.5	2.6
ENE	1.4	.2										1.6	2.1
E	3.6	1.6										5.2	3.0
ESE	1.3	.9										2.7	2.8
SE	4.1	2.1	.2									6.4	3.5
SSE	5.0	8.0	.9	.5								14.3	4.4
S	4.3	5.5	3.9	.7								14.3	5.6
SSW	1.4	.2	1.6	.7								3.9	6.2
SW	1.6	.5			.2							2.3	4.3
WSW	.7	.2	.2									1.4	3.5
W	.7	.7										1.4	3.5
WNW				.2								.2	12.0
NW	.5	.9	.2									1.6	4.4
NNW	.5	.9	.9									2.3	6.4
VARBL													
CALM												31.6	
	1.4	25.9	3.9	2.0	.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 440

AL CLIMATOLOGY BRANCH
 FTAD
 DATA SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81 MONTH SEP
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.2	1.0	.1	.0							7.6	5.1
NNE	1.3	1.3	.5	.0								3.2	4.4
NE	1.5	1.2	.2	.1								3.0	3.7
ENE	1.9	1.7	.1									3.7	3.6
E	2.5	2.1	.2	.0								4.7	3.0
ESE	1.4	1.2	.2									2.8	3.7
SE	2.3	2.7	.6									5.7	4.1
SSE	3.2	5.5	1.6	.2	.0							11.1	4.6
S	2.7	5.8	3.9	.6	.0							13.0	5.9
SSW	.7	1.5	2.0	.8								5.1	7.3
SW	1.0	1.3	1.6	.5	.0							4.3	6.7
WSW	.9	1.3	1.0	.3								3.5	5.9
W	.9	1.2	.7	.0								2.9	5.0
WNW	.6	.7	.4	.1								1.3	5.1
NW	.5	1.0	.7	.1								2.7	5.3
NNW	.0	2.1	1.3	.1	.0							4.4	5.7
VARBL													
CALM												20.6	
	25.6	33.9	16.8	3.0	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 4971

1
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0457 STATION 73-74 0000-0000
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0										4.0	5.3
NNE	1.0	2.0										3.0	4.0
NE	2.0											2.0	3.0
ENE													
E													
ESE	1.0	2.0										3.0	4.0
SE	1.0	4.0										5.0	4.0
SSE		7.0	5.0	1.0								13.0	6.7
S	2.0	5.0	7.0	6.0								21.0	8.5
SSW		5.0										5.0	5.0
SW			7.0									7.0	7.0
WSW	1.0	3.0										4.0	3.5
W													
WNW													
NW		1.0										1.0	4.0
NNW													
VARBL													
CALM												34.7	
	7.0	34.7	14.0	7.0								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 101

ALL DATA TO BE SUBMITTED
 IN
 REPORT NO. 100-100

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1480 STATION NAME FT. LONARD WOOD RD YEARS 73-79 MONTH OCT
 CLASS ALL WEATHER
 CONDITION 1000-1500
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.2	1.5									6.3	4.5
NNE	.4	.4	.7									1.5	5.0
NE	.7											.7	2.6
ENE	.4	.4										.7	4.5
E													
ESE		1.6	.4									1.9	5.2
SE	1.1	3.7	.4									5.2	4.1
SSE	2.6	17.4	3.0									16.0	4.6
S	.7	9.7	4.9	1.0								17.1	6.5
SSW	1.1	2.8	.4	.4	.4							4.8	6.4
SW	1.1	2.6	.4									4.1	4.2
WSW	1.1	3.3										4.5	4.3
W	1.1	.7	.7									2.6	4.6
WNW	1.1	.7	1.1									3.0	4.9
NW		.4	.7									1.1	7.3
NNW	1.9	1.1	1.5									4.5	5.1
VARBL													
CALM												26.0	
	16.0	39.8	15.6	2.2	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 269

U.S. AIR FORCE
 METEOROLOGICAL CLIMATOLOGY BRANCH
 AFETAC
 U.S. WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1457 STATION NAME FT LEONARD WOOD MC YEARS 73-81 MONTH OCT
 ALL WEATHER CLIM 3630-3600 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	2.3									6.4	5.2
NNE	.7	1.1	.6									2.4	5.3
NE	.9	.7	.5									1.2	4.5
ENE	.7	.1										.9	2.1
E	1.2	.4	.1									1.7	3.2
ESE	.1	.4	.2									1.3	3.9
SE	1.2	3.9	.9	.2								6.1	5.7
SSE	3.2	9.7	2.8	.1								16.6	4.7
S	3.1	2.0	5.3	.4	.1							16.8	5.4
SSW	.2	1.3	2.0	.9	.2	.1						4.4	6.9
SW	1.6	1.7	1.7	.4	.1							5.0	5.5
WSW	.7	2.9	.2									1.9	4.3
W	1.5	2.3	1.1									4.9	4.6
WNW	.6	1.2	.7	.1								2.7	5.7
NW	.5	2.2	.5	.4								3.6	6.3
NNW	.7	1.8	1.7	.4								4.7	6.4
VARBL													
CALM												1.3	
	20.0	40.2	20.0	2.8	.5	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 815

U.S. AIR FORCE CLIMATOLOGY BRANCH
 TSC
 WASHINGTON, D.C. 20330-5000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1045 FT. LONNARD WOOD MO STATION NAME 73-21 YEARS 1977-1978
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.3	3.7	.6								6.4	7.0
NNE	.2	1.2	.6	.2								2.2	2.0
NE	.7	1.1	.6									2.4	4.0
ENE	.3	1.2	.4									2.2	4.0
E	.1	1.3	.6									2.0	4.7
ESE	.3	1.3	.5									2.2	4.0
SE	.1	1.7	.8	.1								2.2	6.0
SSE	.7	4.5	3.6	.8								7.2	6.0
S	.1	2.3	5.9	2.6	.5							12.1	6.9
SSW	.5	1.1	3.7	2.8	.4	.4						6.7	10.5
SW	.2	1.4	3.8	1.7	.1							7.7	5.5
WSW	.7	2.9	2.5	1.2	.1							7.4	7.4
W	.8	3.1	1.7	.6								5.1	6.1
WNW	.5	1.1	1.7	.4								3.5	7.4
NW	.4	2.2	2.9	1.4								5.2	6.1
NNW	1.2	2.7	3.2	.8								7.7	7.4
VARBL													
CALM												5.7	
	17.6	31.7	37.2	13.5	1.1	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 436

1

AL CLIMATELOGY BRANCH
100
PATT OF VICO / IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457 STATION 457 LEONARD WOOD STATION NAME 77-81 YEARS MONTH 100-14.0 HOURS (L S Y)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.0	4.7	1.1								4.7	7.1
NNE	.0	1.0	1.2	.1								4.1	5.6
NE	.0	2.0	.1									4.1	4.4
ENE	1.0	.0	.0									1.0	4.0
E	1.0	.0	.1									1.0	4.1
ESE	.0	1.1	.4									1.0	5.1
SE	.7	1.0	1.0									5.0	5.4
SSE	.1	1.0	2.3	.6								5.0	7.9
S	.0	2.0	1.5	5.7	.5							14.0	9.7
SSW	.0	1.0	3.5	2.4	.9	.1						7.9	10.3
SW	.5	2.2	2.3	2.6	.2							7.6	9.9
WSW	.7	2.0	4.0	.6								7.5	7.7
W	.7	2.0	2.3	.4	.2	.1						6.5	7.2
WNW	.4	1.1	1.4	.8								3.7	8.3
NW	1.1	1.0	3.2	2.2	.4							5.6	6.8
NNW	.7	2.0	4.0	1.3								6.5	7.9
VARBL													
CALM												4.3	
	11.0	24.5	35.6	15.0	2.2	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 835

ST. C. STEVENS, JR.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

U.S. AIR FORCE
CLIMATE DIVISION
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14437 STATION NAME 73 LEONARD WOOD MO YEARS 73-81 MONTH OCT
CLASS ALL WEATHER HOURS (L & V) 1910-1800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.0	1.2	.2								4.9	4.1
NNE	.5	1.1	.4	.2								1.3	5.3
NE	.5	.5	.2									1.2	4.1
ENE	1.3	.1										1.4	2.5
E	2.2	1.1										3.1	2.3
ESE	.5	1.1										1.9	2.4
SE	1.6	1.2	1.2									4.3	4.5
SSE	2.0	5.2	3.1	1.7								13.2	5.5
S	2.5	5.4	4.6	1.2		.2						17.5	6.3
SSW	.6	1.7	1.0	.7	.2							4.2	7.3
SW	.7	.5	.2	.1								1.5	4.7
WSW	1.4	.2	.1	.2								1.7	4.5
W	1.6	.7	.1									2.4	3.4
WNW	.5	.3	.2	.1		.1						1.6	6.1
NW	1.3	.1	1.2	.4								3.4	1.3
NNW	1.3	1.2	.7	.2								3.5	5.4
VARBL													
CALM												27.4	
	25.2	23.3	14.4	4.5	.2	.4						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 629

U.S. CLIMATOLOGY BRANCH
177
NAVY AIR SERVICE VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1467	EL LEONARD WOOD RD	17-91	007
STATION	STATION NAME	YEARS	MOON
ALL WEATHER			100-230
CLASS			MOON (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.4	.2									5.1	3.7
NNE	.0	1.3	.7									1.7	3.4
NE	.4	.2	.2									.9	3.5
ENE	.9	.5										1.5	3.6
E	1.0	.2										2.4	3.7
ESE	.4	1.5	.4									2.6	4.4
SE	1.7	2.2	.9									4.8	4.5
SSE	3.0	7.4	3.9	1.1	.2							15.6	6.7
S	1.7	7.1	3.4	1.7	.2							19.3	7.3
SSW	1.5	2.2	1.3	.2	.2							5.4	6.2
SW	1.1	1.1	.4									2.6	4.3
WSW	.6	1.3	.2									2.2	4.6
W	.2	.4		.2								.3	6.5
WNW		1.1	.9									1.9	5.7
NW	1.1	1.1	.6	.4	.2							3.3	6.3
NNW	.2	.2	.4	.2								2.4	5.4
VARBL													
CALM												26.4	
	15.4	31.6	18.8	3.9	.9							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 462

44 CLIMATOLOGY BRANCH

AF TAC

WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1457 STATION NAME FT LEONARD WOOD MO YEARS 77-81

CLASS ALL WEATHER

CONDITION

DOY 007 MONTH

ALL HOURS (L & V)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	3.3	2.8	.5								5.3	5.9
NNE	.7	1.3	.6	.1								2.6	5.2
NE	.3	1.1	.3									2.0	4.2
ENE	1.2	.6	.1									1.8	3.4
E	1.2	.1	.1									1.1	3.6
ESE	.5	1.1	.2									1.7	4.5
SE	1.1	2.1	.5	.1								4.1	5.2
SSE	1.6	5.4	3.2	.7	.2							11.1	6.7
S	1.1	5.6	6.2	2.4	.2	.0						15.0	7.6
SSW	.5	1.7	2.4	1.4	.4	.1						5.7	9.0
SW	.1	1.3	1.6	1.1	.1							4.9	7.5
WSW	.5	2.1	1.4	.4	.2							4.7	6.4
W	1.1	2.1	1.2	.2	.2	.0						4.5	5.9
WNW	.5	1.1	1.2	.4	.2	.0						3.2	7.3
NW	.7	1.5	1.8	1.0	.1							5.2	7.9
NNW	.5	1.0	2.4	.7								5.9	7.0
VARBL													
CALM												14.7	
	11.3	32.5	26.4	9.1	.9	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 4082

1. LOCATION: HATCH
2. DATE: 1964
3. STATION: 74, R1

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 74, R1 STATION NAME: 74, R1 YEAR: 1964 MONTH: NOV
CLASS: ALL WEATHER
CONDITION: 1000-0200
MOON (L.S.T.):

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2		1.1									3.3	4.3
NNE		1.1										1.1	4.3
NE		2.2	2.2									4.3	7.5
ENE		1.1	1.1									2.2	5.5
E		1.1										1.1	6.7
ESE													
SE	2.2	4.3	1.1									7.5	4.4
SSE	2.2	5.4	2.2									10.9	4.9
S	1.1	3.3	2.2	2.2								9.8	6.7
SSW	2.2	3.3	3.3									8.7	5.5
SW	2.2	4.3	2.2									8.7	5.7
WSW	1.1	5.4										6.5	5.3
W	1.1	1.1										2.2	3.3
WNW	2.2	3.3	4.3									10.7	5.5
NW			5.7	1.1								6.8	9.0
NNW		4.3	3.3									7.5	7.3
VARBL													
CALM												4.3	
	15.6	40.2	32.6	2.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 92

U.S. AIR FORCE
CLIMATE DIVISION
CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457 STATION NO. 11 LEONARD WOOD MC YEARS 74 MONTH NOV
STATION NAME ALL WEATHER CLASS 3300-0500
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1		1.1								2.2	3.0
NNE		1.1	1.1									2.2	6.5
NE		1.1	1.1									2.2	7.0
ENE		1.1										1.1	6.0
E													
ESE													
SE		2.2	4.4									6.7	6.7
SSE	4.4	4.4	3.3									12.2	4.5
S	1.1	7.8	5.6	1.1								15.6	6.6
SSW	2.2	6.7										8.9	4.0
SW	1.1											1.1	3.0
WSW		6.7	1.1									7.8	5.4
W		1.1	1.1									2.2	7.5
WNW	3.3	8.9	1.1									13.3	4.6
NW	3.3	2.2	4.4									10.0	5.6
NNW	3.3	1.1	2.2									6.7	4.7
VARBL													
CALM												7.8	
	10.9	45.6	25.6	2.2								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 97

U.S. 44L CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 457 FT LEONARD WOOD MO 77-91 NCV
 STATION NAME YEARS MONTHS
ALL WEATHER
 CLASS 0600-1800
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.4	1.4	.4								6.4	5.1
NNE	.8	1.9	.4									3.1	4.9
NE	.7	1.2	.3									2.2	4.6
ENE	.7	1.4	.3									2.3	4.7
E	.7	1.4	.1									2.2	3.9
ESE	1.1	1.0	.7									2.6	4.8
SE	1.4	2.2	.8	.1								4.5	5.0
SSE	3.5	6.7	3.3	.5								14.0	5.3
S	2.6	4.5	4.5	2.3	.4							13.7	7.5
SSW	.4	1.9	1.6	.8	.1							5.3	7.4
SW	.4	1.5	2.2	.3								4.8	6.7
WSW	.5	2.3	1.8	.4	.1							5.2	7.2
W	1.1	3.4	1.4	1.0								6.6	6.4
WNW	.7	1.4	2.2	.5								4.5	7.3
NW	1.3	.3	1.4	.4								3.5	6.6
NNW	.4	1.6	1.9	.1								4.1	7.1
VARBL													
CALM												14.7	
	13.2	35.5	24.0	6.9	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 736

AL CLIMATOLOGY BRANCH
TAC
STATE SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LEONARD WOOD MC YEAR 73-81 MONTH NOV
STATION NAME ALL WEATHER MONTH NOV-11
CLASS CLAS MONTH NOV
CONDITION COND MONTH NOV

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.3	.4	.2								4.7	5.4
NNE	1.4	1.2	.5									3.7	4.5
NE	1.2	1.3	.9									4.3	4.8
ENE	.7	.9	.1									1.7	4.1
E	.4	1.1	.4									2.3	4.5
ESE	.3	.5	.5	.4								2.3	5.9
SE	.7	1.9	1.3	.4								4.3	5.9
SSE	1.7	4.2	3.6	.7	.2							10.5	6.5
S	1.7	4.4	3.9	3.1	.7							13.7	8.4
SSW	.1	1.5	1.7	1.6	.9							5.3	10.3
SW	.2	1.6	2.2	2.8	.2							7.2	9.9
WSW	1.1	2.6	4.7	1.4	.6	.1						9.8	8.4
W	.5	1.3	1.7	1.7								5.8	8.5
WNW	.8	.9	2.5	1.4	.4							5.7	9.4
NW	.5	1.1	2.2	1.9	.2							5.9	9.4
NNW	.6	1.4	3.2	1.6	.2							7.3	8.7
VARBL													
CALM												5.8	
	13.7	30.4	29.2	17.2	3.6	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 879

ALABAMA AERONAUTICAL SERVICE
STATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FT LEONARD WOOD MO YEARS 77-81 MONTHS NOV
CLASS ALL WEATHER
CONDITION 1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	1.9	1.4								5.9	7.3
NNE	1.2	1.7	.6									3.6	4.3
NE	1.4	1.1	.1									2.5	3.7
ENE	.4	1.9	.1									2.4	4.6
E	1.1	1.2	.1									2.5	3.9
ESE	.2	.7	.4	.1								1.5	5.7
SE	.1	2.1	1.1	.4								3.7	6.5
SSE	1.1	2.1	1.1	.6	.1							5.1	6.4
S	1.1	2.1	3.1	4.2	1.1							11.6	9.9
SSW	.7	.9	3.6	2.6	.5	.4						6.4	10.7
SW	.7	1.7	1.9	2.2	.2							6.8	9.3
WSW	.7	2.1	2.0	3.2	.2							5.3	9.3
W	.7	2.1	2.9	3.3	.1	.1						5.3	9.5
WNW	1.1	.6	2.2	3.1	.4							7.3	10.5
NW	.5	1.2	3.0	2.2	.4							7.3	9.5
NNW	1.4	1.2	2.4	2.2	.2							7.4	8.6
VARBL													
CALM												6.3	
	13.4	24.4	26.4	25.7	3.3	.5						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 607

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1451 FT LLOYD P WOOD MG YEARS 77-81 MONTHS NOV
 STATION NAME ALL WEATHER CLASS 100-170
 CONDITION NOBS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.7	2.1	.6								8.1	3.1
NNE	1.7	2.2	.9									4.9	4.6
NE	.7	.9	.4									3.0	4.4
ENE	.4	1.1										1.8	4.1
E	1.2	1.1	.1									2.4	3.7
ESE	.5	1.4										1.9	4.1
SE	1.2	1.9	.7	.1								4.3	5.1
SSE	1.1	2.1	1.9	.6								5.7	6.5
S	1.1	3.6	4.7	2.7	.9	.4						17.4	6.7
SSW	.7	1.4	2.6	2.1	.4	.7						7.1	10.0
SW	1.2	1.2	1.6	1.0	.1							5.5	7.7
WSW	.6	1.7	2.4	.6								4.8	7.4
W	.6	1.9	3.9	2.5	.1							7.0	9.2
WNW	.7	1.6	3.1	1.2	.7							7.6	8.9
NW	.6	1.1	2.2	1.6	.1							5.7	6.9
NNW	1.4	1.2	2.4	1.5								6.5	7.7
VARBL													
CALM												17.6	
	10.4	27.4	29.7	14.7	2.4	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 304

CLIMATE BUREAU - A-10-
7-10
DATA SERVICE/7-11

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 45 STATION NAME LEONARD WOOD MO YEARS 77-81 MONTH NORTH 1977-1981 HOURS (L.S.T.)

ALL WEATHERS

CLARE

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.5	1.4	.3								5.9	5.1
NNE	1.4	1.5	.9									4.2	4.5
NE	.1	2.1	.3									2.5	5.3
ENE	.2	1.4										1.3	3.7
E	1.4	.6	.1									2.1	3.2
ESE	1.4	.7	.5									1.6	4.3
SE	1.1	1.7	1.4	.3								4.5	5.0
SSE	.2	2.3	1.0	.8	.1							3.9	5.7
S	1.7	7.3	4.3	2.3		.2	.1					15.7	7.4
SSW	.5	1.1	1.5	.9	.1	.1						4.5	8.1
SW	.5	.9	.4	.4								2.3	6.5
WSW	1.3	1.2	.1	.3								2.4	5.1
W	1.3	4.7	1.0	.8	.1							7.4	5.9
WNW	.5	1.5	2.1	.8								5.3	7.3
NW	1.3	3.1	1.5	.5								6.2	6.3
NNW	.6	1.4	1.3	.4								3.7	6.6
VARBL													
CALM												18.4	
	19.4	35.0	18.9	7.4	.4	.4	.1					122.0	4.5

TOTAL NUMBER OF OBSERVATIONS 794

CLIMATE CLIMATOLOGY BRANCH
 AFMTCAC
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40 STATION NAME FT LEONARD WOOD MC YEARS 73-81 MONTH NORTH 1-12-81
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	2.0	2.0									7.0	1.0
NNE	1.4	2.0	.5									7.0	4.0
NE	1.4	1.1	.3									6.0	3.0
ENE	0.2	.0	.2									7.1	3.0
E	.2	.0	.2									1.2	4.0
ESE	.3	1.2	.3									1.9	4.0
SE	1.7	3.7	.6		.2							6.0	4.0
SSE	2.4	5.1	1.2	1.1		.2						10.1	4.0
S	1.2	5.1	5.3	1.9	.3							13.1	7.0
SSW	.3	1.7	2.4	1.7	.2	.3						6.8	4.0
SW	1.1	1.7	.3	.5								3.5	5.4
WSW	.6	1.1	.4	.5								2.9	5.4
W	1.9	2.9	1.2	1.7								7.8	6.0
WNW	.0	1.4	2.2	1.1								5.6	7.6
NW	.6	1.6	2.3	1.2	.2							5.0	8.7
NNW	.4	1.1	1.4	.6								5.7	7.0
VARBL													
CALM												13.0	
	11.1	34.4	21.4	10.2	.8	.5						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 645

U.S. CLIMATE DATA CENTER
 711
 NATIONAL SERVICE CENTER

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1451 STATION NAME LEONARD WOOD MD YEARS 72-81 MONTH NOV
 CLASS ALL WEATHER
 HOURS (L.S.T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	1.6	.5								1.2	5.7
NNE	1.3	1.7	.6									1.3	4.1
NE	.9	1.4	.4									1.2	4.0
ENE	.7	1.2	.1									1.2	4.1
E	.6	1.0	.2									1.1	4.0
ESE	.7	.7	.4	.1								1.1	4.0
SE	1.0	2.2	1.0	.2	.0							1.1	5.7
SSE	2.2	3.2	2.2	.7	.1	.1						1.2	5.0
S	1.4	4.5	4.2	2.7	.6	.1	.0					13.6	8.3
SSW	.6	1.0	2.3	1.6	.4	.2						6.4	9.7
SW	.3	1.0	1.4	1.2	.1							5.7	7.1
WSW	.3	1.0	1.6	1.0	.2	.1						5.7	7.0
W	1.0	2.6	2.0	1.8	.1	.1						7.5	7.5
WNW	.9	1.4	2.4	1.3	.3							6.3	8.4
NW	.7	1.0	2.3	1.3	.1							5.9	8.2
NNW	.3	1.4	2.1	1.1	.1							5.3	7.8
VARBL													
CALM												11.2	
	10.5	31.4	25.1	13.5	1.9	.3	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 4777

AL CLIMATOLOGY BRANCH
 AFMTC
 WEATHER SERVICE/MAN

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457 STATION AF LEONARD WOOD MC STATION NAME 73-75 YEARS DEC MONTH 1957-1960 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	2.0	1.3								7.6	6.2
NNE													
NE													
ENE	1.7											1.3	3.0
E													
ESE													
SE		1.7										3.0	4.0
SSE	1.7	11.3	1.3									13.3	4.5
S		3.0	2.0	1.3								13.3	6.2
SSW			1.7									1.3	5.0
SW		1.7										1.3	5.0
WSW		2.0	2.0	1.3								6.3	7.2
W	1.7	3.0	6.3	2.5								13.5	7.7
WNW	1.7	2.0	1.3									5.0	5.3
NW		1.7	2.5	1.3								3.8	7.6
NNW	2.0		5.0	3.8								11.3	6.9
VARBL													
CALM												13.0	
	13.5	36.3	28.8	11.3								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 600

AL CLIMATELOGY BRANCH
 140
 1400 SERVICE 7447

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7457 STATION NAME FT LEONARD MOOD MO YEARS 78 DATE DEC
 CLASS ALL WEATHER MONTHS 000-0000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.7								6.7	12.6
NNE													
NE													
ENE													
E													
ESE													
SE		1.7										5.7	4.8
SSE		1.7	3.3									10.7	6.1
S		5.7	3.3									3.3	6.4
SSW													
SW	1.7		1.7									3.3	5.8
WSW	1.7	3.3	5.7									10.3	6.9
W	1.7	3.3	1.7									3.3	4.2
WNW		5.7	1.7									5.7	6.3
NW		1.7	5.7	1.7								8.3	8.6
NNW	1.7		3.3	1.7								6.7	7.8
VARBL													
CALM												15.0	
	10.0	33.3	26.7	12.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 40

U.S. AIR FORCE
CLIMATE DIVISION
AFMPC
WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: AF LEONARD WOOD MD YEARS: 71-72

STATION NAME: ALL WEATHER CLASS: FLC

CONDITION: 1400-1800

NOVRS (L.S.V.): 1400-1800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.3	3.2	.7								8.1	6.9
NNE	.4	1.0	.4									1.8	3.3
NE	.7	.9										1.6	3.7
ENE	1.0	.6	.1									1.7	3.3
E	1.2	1.7	.1	.1								3.2	4.4
ESE	.4	1.3										1.9	3.7
SE	.4	2.7	.6									3.2	5.1
SSE	1.3	4.9	6.1	.3								12.6	6.2
S	1.6	5.1	5.1	3.0	.1							14.8	7.6
SSW	.4	1.5	2.0	.7								4.6	7.3
SW	.4	2.0	1.5	1.0	.1							5.1	7.5
WSW	.4	3.3	1.7	.3	.1							6.4	6.6
W	1.2	1.7	2.2	.3								5.4	6.2
WNW	.4	2.3	2.7	1.3								6.2	7.6
NW	.4	1.5	2.5	1.7								6.1	8.7
NNW	.4	1.2	2.6	1.5								5.1	8.3
VARBL													
CALM												11.0	
	10.3	34.5	59.2	11.0	.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 689

U.S. AIR FORCE
CLIMATOLOGY BRANCH
AFSC
AT - SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1437 STATION NAME ST. LEONARD WOOD MO YEARS 73-81 MONTH DEC
 ALL WEATHER CLIM 1900-1100
 CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	3.1	2.5	.1							7.8	6.5
NNE	.8	1.2	.9									2.9	5.4
NE	.7	.4	.6									2.2	4.9
ENE	.4	.7	.5									1.6	5.4
E	.5	1.1	.2									1.8	4.7
ESE	.5	1.2	.1									1.3	4.2
SE	1.1	2.2	1.3									4.4	5.2
SSE	.7	3.3	3.6	1.4								9.1	7.3
S	.8	3.1	4.0	3.0	.4	.1						13.4	9.5
SSW		1.3	2.8	1.9	.2	.1						6.8	9.6
SW	.1	2.2	3.2	2.4	.2	.1						5.3	9.3
WSW	.2	1.9	1.6	2.2	.2							5.1	9.2
W	.4	1.6	2.3	1.2								5.6	8.1
WNW	.5	1.3	2.6	1.7	.1							5.5	8.2
NW	.4	1.4	2.4	2.5	.4							7.1	9.9
NNW	1.0	2.5	3.3	2.5	.2							9.6	8.4
VARBL													
CALM												6.2	
	.9	28.1	34.4	20.1	1.9	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 836

GENERAL CLIMATOLOGY BRANCH
 AFCEYAC
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 457 STATION NAME FT LEONARD WOOD MO YEARS 73-81
 CLASS ALL WEATHER MONTHS DEC
 1200-1400
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	1.4	3.0	2.0	.1							6.1	5.6
NNE	.4	1.1	.4	.2								2.3	5.9
NE	.4	1.1	.6	.2								2.4	5.8
ENE	.4	.7	.2									1.1	5.0
E	.4	.7										1.1	3.7
ESE	.4	1.0										1.2	4.4
SE	.4	1.0	1.0	.1								3.5	6.2
SSE	.4	2.0	2.4	1.0								6.5	7.7
S	.4	1.0	2.3	4.3	1.0							10.5	10.7
SSW	.4	1.4	4.7	1.0	.2							7.1	8.9
SW	.4	2.0	3.2	1.8	.5	.2						5.4	9.2
WSW	.4	1.3	2.0	2.3	.1							3.7	9.1
W	.4	1.0	2.7	3.8	.4							7.3	9.7
WNW	.4	1.2	2.5	2.3	.1							6.5	9.6
NW	.4	1.3	3.3	2.7	.5	.1						6.7	9.7
NNW	.4	1.3	4.4	1.6	.6							8.2	9.4
VARBL													
CALM												7.2	
	.1	21.2	34.6	24.3	3.5	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 837

RECEIVED: 10/15/11 11:00 AM

STATION: SERVICE: 10

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 457 STATION NAME: LEONARD 4000 MC YEARS: 77-81 MONTH: DEC
CLASS: ALL WEATHER PERIOD: 1970-1971
CONDITION: HOURS (L.S.T.):

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.5	3.5	1.4	.1							4.8	7.2
NNE		.7	1.2	.1								2.3	7.4
NE	.7	1.2										1.9	3.0
ENE	.2	1.1	.1	.1								1.9	4.6
E	1.2	.2										1.2	3.1
ESE	.4	.4	.2									1.2	4.7
SE	.4	1.4	.2									2.6	4.6
SSE	1.1	2.3	3.2	.8								7.3	7.2
S	1.7	4.7	4.7	3.5	.6							14.0	8.8
SSW	.0	1.7	2.6	1.7	.4							6.2	6.4
SW	.0	.5	3.0	1.1	.1	.2						5.4	4.6
WSW	.2	1.7	1.9	.6		.1						4.7	7.0
W	.4	2.6	2.0	1.7	.1							6.7	8.3
WNW	.2	1.7	2.6	1.7	.1							6.4	9.1
NW	1.2	1.7	2.8	2.2	.4	.1						6.3	6.6
NNW	.2	2.0	4.9	1.4	.4							7.6	8.7
VARBL													
CALM												11.6	
	10.3	26.7	33.1	15.6	2.2	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 834

NATIONAL CLIMATOLOGY BRANCH
AFAC
FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

457 STATION FT LEONARD WOOD MO 73-91 YEARS DEC
STATION NAME NORTH
ALL WEATHER
CLASS
CONDITION
1977-1981
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.3	3.4	3.2	1.1								10.0	6.3
NNE	.2	.6	.6									1.0	5.7
NE	.5	1.0	.5									2.0	4.9
ENE	.2	.7	.4									1.3	4.3
E	1.3	.1	.2									1.7	3.4
ESE	1.7	.5	.5									3.1	4.4
SE	.5	1.1	.6	.2								2.3	5.1
SSE	1.9	3.7	3.3	1.6								10.4	6.7
S	1.0	6.6	4.8	3.5								10.7	7.4
SSW	.2	1.8	2.1	1.2	.1							5.7	8.1
SW	.2	1.7	1.3	.1								3.4	6.5
WSW	.5	1.1	.5	.4	.1							2.6	7.1
W	.4	1.2	.9	.5								3.5	6.7
WNW	1.0	1.0	1.6	.9	.2							4.9	7.6
NW	1.1	2.3	1.3	.9	.2	.1						6.0	7.3
NNW	1.0	2.5	2.2	2.1	.7							5.1	8.5
VARBL													
CALM												10.6	
	15.4	30.2	24.2	12.5	1.0	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 819

AL CLIMATOLOGY BRANCH

STATION USE ONLY

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

081
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.7	3.1	1.4								1.0	6.0
NNE	.2	1.5	.3									2.1	5.7
NE	.2	1.4	.2									1.7	4.0
ENE	1.4	.3	.3									2.1	4.0
E	.7	.7										1.4	3.4
ESE	.3	.7	.5									1.5	4.3
SE	1.4	1.4	1.2	.2								4.1	5.1
SSE	1.0	4.0	3.6	.2								9.6	6.2
S	1.3	4.1	6.0	4.1								15.9	8.4
SSW	.3	2.7	2.2	.5								5.6	7.3
SW	.3	1.5	2.2									4.3	6.0
WSW	.9	1.9	.9	.2	.2							4.0	6.2
W	.7	2.4	1.7	1.0	.2	.2						5.0	7.0
WNW	.3	.7	1.5	.5	.2							3.4	5.0
NW	.7	.7	.9	1.2	.5							4.1	5.7
NNW	.3	1.5	4.3	1.4	.2							8.2	6.3
VARBL													
CALM												15.6	
	12.4	30.3	29.0	10.7	1.2	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 582

1
CENTRAL CLIMATOLOGY BRANCH
AFH/AC
METEOROLOGICAL SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1457 FT L OWARD WOOD MO STATION NAME 73-81 YEARS MONTH DEC
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.6	3.8	1.5	.1							1.7	7.4
NNE	.	1.	.6	.1								2.5	5.5
NE	.7	1.	.3	.0								1.9	4.7
ENE	.	.7	.7	.								1.7	4.4
E	.	.7	.1	.0								1.5	3.9
ESE	.	.	.2									1.6	4.7
SE	.	1.0	.4	.1								2.4	5.2
SSE	1.1	3.	3.6	.6								5.4	5.7
S	1.2	4.	4.0	3.5	.4	.7						14.5	6.3
SSW	.4	1.7	3.7	1.2	.2	.5						1.3	6.6
SW	.4	1.6	2.4	1.1	.7	.1						1.7	6.5
WSW	.5	1.5	1.5	1.5	.1	.0						5.7	5.5
W	.7	2.	2.0	1.5	.1	.7						6.3	6.1
WNW	.	1.4	2.2	1.3	.1							5.6	5.3
NW	.7	1.5	2.3	1.9	.3	.1						6.9	7.0
NNW	.7	2.	3.7	1.8	.3							6.4	6.6
VARB													
CALM												11.2	
	11.2	24.7	31.0	16.0	1.7	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 4736

U.S. CLIMATOLOGY BRANCH
 1215
 1215
 1215

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

457
 STATION

FT LEONARD WOOD MO
 STATION NAME

77-81
 YEARS

ALL
 CODE

ALL WEATHER
 CLASS

ALL
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.3	.7	.7	.0						7.1	6.5
NNE	.7	1.3	.6	.1	.0							2.7	5.0
NE	1.1	1.3	.4	.0								2.8	4.5
ENE	1.1	1.7	.3	.0	.0							2.7	4.3
E	1.4	1.5	.5	.1	.0							3.5	4.5
ESE	.0	1.1	.4	.1	.0							2.5	4.7
SE	1.2	2.7	1.0	.3	.0	.0						4.5	5.3
SSE	2.1	3.4	2.3	.8	.0	.0						7.1	5.9
S	.7	4.4	4.3	2.3	.3	.0	.7					12.3	7.5
SSW	.7	1.8	2.5	1.6	.3	.1	.0					6.9	6.8
SW	.7	1.7	1.8	1.0	.2	.1	.0					5.4	3.7
WSW	.0	1.0	1.6	.7	.1	.0	.0					3.3	7.0
W	1.2	2.7	1.5	1.0	.1	.0	.0					7.2	7.5
WNW	.5	1.2	1.5	.8	.1	.0	.0					4.3	3.1
NW	.6	1.2	1.7	1.0	.1	.0						4.3	8.3
NNW	.7	1.7	2.1	1.1	.1	.0						3.6	8.0
VARBL													
CALM												13.2	
	17.2	30.8	25.2	11.7	1.5	.3	.0					100.2	6.1

TOTAL NUMBER OF OBSERVATIONS 54983

AL CLIMATOLOGY BRANCH
TAC
DATA SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	FT LICKNATH WOOD MO	YEARS	77-81	ALL NORTH ALL HOURS (L.S.T.)
INSTRUMENT				
CLASS				
CIG 100 TO 1400 FT W/ VSBY 1/2 MI OR MORE,				
CONDITION				
AND/OR VSBY 1/2 TO 1-1/2 MI W/CIG 100 FT OR MORE				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	5.2	1.7	.2							13.7	7.1
NNE	1.7	2.3	1.5	.2	.1							5.5	5.7
NE	1.5	2.5	.9	.1								5.4	4.0
ENE	1.7	2.1	.6	.1	.2							4.4	4.5
E	1.7	2.2	1.1	.2	.2							5.1	5.7
ESE	.7	1.4	.7	.2	.2							5.1	5.4
SE	1.1	1.7	1.4	.6								5.1	6.3
SSE	1.7	2.5	2.6	1.2	.3							.3	6.7
S	.7	2.7	2.9	1.9	.2							5.3	6.1
SSW	.7	.7	.5	.6	.1	.1	.2					1.9	6.1
SW	.4	.7	.5	.2	.2	.7						1.5	6.6
WSW	.7	.7	.4	.1	.1	.7	.1					1.8	6.4
W	.6	1.4	1.2	.9	.1	.2						4.2	7.9
WNW	.6	1.7	2.0	1.3	.2	.2						4.8	9.0
NW	.4	1.2	2.8	1.8	.2	.8						6.5	9.3
NNW	.6	2.5	3.8	1.7	.2	.1						3.0	8.5
VARBL													
CALM												10.3	
	16.4	30.9	26.2	12.7	1.4	.2	.2					100.3	6.7

TOTAL NUMBER OF OBSERVATIONS 7247

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 15 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING													
1800													
1500					91.0								92.6
1200													
1000													
900													
800													
700													
600													
500								97.4					98.1
400													
300													
200													
100													
0				95.4	96.9	98.3							100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

CEILING VERSUS VISIBILITY

73-75

JA:

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CONFIDENTIAL

[illegible]TOTAL NUMBER OF OBSERVATIONS 163

HEADQUARTERS CLIMATE BRANCH
 USAF ETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 F. LEONARD WOOD MC
 STATION NAME

73-75

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 10000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 6000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 5000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 3500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 3000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 2000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1800	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1200	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 1000	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 900	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 800	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 700	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 600	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 500	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 400	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 300	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 200	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 100	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 0	29.2	51.9	51.9	51.9	51.9	51.9	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5

TOTAL NUMBER OF OBSERVATIONS 185

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: FT LEONARD WOOD MO
STATION NAME:

73-81

YEARS

JA.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	12.0	46.1	45.5	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	13.0	46.3	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	13.0	46.6	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	13.3	47.5	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	13.5	49.9	51.7	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	13.5	49.9	51.7	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	13.5	51.3	52.2	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
≥ 7000	13.7	52.6	53.5	53.8	54.2	54.3	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	13.7	53.0	54.4	54.7	55.0	55.2	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 5000	13.9	54.7	55.8	55.8	56.2	56.3	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4500	14.1	56.4	57.3	57.7	58.1	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4000	14.3	57.0	57.9	58.2	58.6	58.9	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3500	14.6	58.1	59.1	59.5	59.9	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3000	14.7	59.6	60.7	61.2	61.7	62.2	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2500	14.9	61.2	62.3	62.8	63.6	64.1	64.2	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2000	15.5	64.4	65.5	66.1	67.0	67.6	67.8	67.8	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1
≥ 1800	15.5	64.6	65.8	66.3	67.3	67.8	68.1	68.2	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1500	15.7	67.2	68.5	69.1	70.8	71.4	71.8	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1200	15.8	69.0	70.4	71.1	72.8	73.4	73.9	74.1	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5
≥ 1000	16.0	71.4	73.1	73.9	76.0	76.6	77.3	77.4	77.8	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 900	16.0	73.3	75.4	76.2	78.4	79.1	79.7	79.8	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 800	16.2	74.6	76.4	77.6	80.5	81.2	81.9	82.1	82.5	82.9	83.1	83.1	83.3	83.3	83.3	83.3
≥ 700	16.2	75.1	77.4	78.4	81.2	82.1	82.9	83.1	83.5	84.2	84.9	84.9	85.1	85.1	85.1	85.1
≥ 600	16.2	75.7	79.1	79.1	82.2	83.1	84.3	84.8	85.2	86.0	86.7	86.7	86.8	86.8	86.8	86.8
≥ 500	16.2	75.9	78.3	79.3	83.7	84.0	85.8	86.5	87.4	88.3	89.1	89.1	89.3	89.3	89.3	89.3
≥ 400	16.2	75.9	78.3	79.4	84.0	85.3	87.6	88.8	90.0	90.9	91.8	91.8	92.0	92.0	92.1	92.2
≥ 300	16.2	75.9	78.3	79.4	84.3	85.8	88.6	90.0	91.4	93.1	94.0	94.0	94.1	94.1	94.3	94.4
≥ 200	16.2	75.9	79.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.4	95.5	96.7	97.1
≥ 100	16.2	75.9	79.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.7	96.3	98.0	99.6
≥ 0	16.2	75.9	78.3	79.4	84.3	85.8	88.6	90.0	91.6	94.1	95.1	95.3	95.7	96.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 753

FEDERAL CLIMATOLOGY BRANCH
 TAC
 AIR FORCE SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION 457 ST LEONARD WOOD MO YEAR 73-81 MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1920-1100
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	.7	43.3	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 18000	1.1	47.1	48.4	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 16000	1.1	47.4	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 14000	1.1	47.6	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	1.1	47.3	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 10000	1.1	52.5	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	1.1	52.5	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 8000	1.1	55.0	56.7	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 7000	1.1	57.4	59.1	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 6000	1.1	57.5	59.3	59.8	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 5000	1.1	58.3	60.0	60.6	61.1	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4500	1.1	59.0	61.0	61.8	62.3	62.8	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	1.1	59.1	61.2	62.1	62.6	63.1	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3500	1.1	60.9	63.0	63.9	64.4	64.8	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 3000	1.1	62.3	64.6	65.8	66.3	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 2500	1.1	63.6	65.9	67.3	67.8	68.3	68.5	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
IV 2000	1.1	65.2	67.7	69.3	70.1	70.7	70.9	71.4	71.4	71.4	71.5	71.7	71.7	71.7	71.7	71.7
IV 1800	1.1	65.7	68.3	69.9	70.8	71.5	71.8	72.2	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5
IV 1500	1.1	66.1	72.1	73.8	75.2	76.2	77.2	77.6	77.6	78.0	78.3	78.3	78.3	78.3	78.3	78.3
IV 1200	1.1	70.5	74.2	76.2	77.8	78.8	79.9	80.5	80.6	80.9	81.2	81.2	81.2	81.2	81.2	81.2
IV 1000	1.1	72.0	76.3	78.6	80.3	81.5	82.5	83.4	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2
IV 900	1.1	72.6	77.3	79.5	81.2	82.4	83.7	84.6	84.9	85.2	85.5	85.8	85.8	85.8	85.8	85.8
IV 800	1.1	72.8	77.5	79.8	81.5	82.8	84.2	85.0	85.6	85.9	86.2	86.5	86.5	86.5	86.5	86.5
IV 700	1.1	73.1	77.9	80.3	82.5	83.9	85.5	86.4	87.1	87.3	87.8	88.0	88.0	88.0	88.0	88.0
IV 600	1.1	73.3	78.1	80.9	83.5	84.8	86.6	87.6	88.5	88.8	89.2	89.7	89.8	89.8	89.8	89.8
IV 500	1.1	73.4	78.2	81.0	83.7	85.2	87.8	88.9	90.0	90.3	91.3	92.0	92.1	92.1	92.1	92.1
IV 400	1.1	73.4	78.2	81.2	84.0	85.9	88.8	90.3	92.0	93.4	94.0	94.7	95.0	95.1	95.1	95.1
IV 300	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	92.8	94.4	95.1	96.1	96.7	96.9	96.9	96.9
IV 200	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.3	96.8	97.7	98.1	98.3	98.6
IV 100	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.5	97.0	98.1	98.4	99.2	99.9
IV 0	1.1	73.4	78.2	81.2	84.0	85.9	89.0	90.6	93.1	94.6	95.5	97.0	98.1	98.4	99.2	99.9

TOTAL NUMBER OF OBSERVATIONS 536

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
41. WEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MD

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1250-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING	1.9	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	2.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	2.0	53.1	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	2.0	53.1	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	2.0	53.6	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	2.0	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	2.0	55.3	55.9	56.0	57.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	2.0	55.3	55.9	56.0	57.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	2.0	59.5	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	2.0	60.6	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	2.0	60.9	61.5	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	2.0	61.6	62.2	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4500	2.0	62.2	62.8	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	2.0	62.8	63.4	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 3500	2.0	65.3	66.1	66.4	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	2.0	67.1	68.2	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	2.0	68.5	69.5	69.9	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2000	2.0	71.6	73.1	73.7	74.6	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1800	2.0	72.3	73.9	74.5	75.4	75.7	75.9	75.9	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1500	2.0	76.3	78.2	79.0	80.5	80.9	81.5	81.5	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	2.0	77.7	79.6	80.8	82.6	83.1	84.2	84.2	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	2.0	79.1	81.4	82.9	85.3	86.0	87.8	87.8	88.6	89.3	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	2.0	79.3	81.8	83.3	86.0	86.8	88.6	88.8	89.7	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 800	2.0	77.3	81.8	83.3	86.1	87.1	89.0	89.3	90.2	91.0	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700	2.0	79.5	82.4	84.2	87.1	88.2	90.3	90.6	91.7	92.6	92.8	92.9	92.9	92.9	92.9	92.9
≥ 600	2.0	79.5	82.4	84.2	87.3	88.5	90.6	91.4	92.3	93.3	93.5	93.8	93.8	93.8	93.8	93.8
≥ 500	2.0	79.6	82.6	84.7	88.0	89.2	91.6	92.4	93.6	94.6	94.8	95.1	95.2	95.2	95.2	95.2
≥ 400	2.0	79.6	82.6	84.7	88.1	89.4	91.8	93.5	95.3	96.5	97.1	97.4	97.7	97.7	97.7	97.7
≥ 300	2.0	79.6	82.6	84.7	88.2	89.6	92.1	93.8	95.7	97.0	97.6	98.1	98.6	98.6	98.6	98.6
≥ 200	2.0	79.6	82.6	84.7	88.2	89.6	92.1	93.8	95.7	97.0	97.6	98.1	98.6	98.6	98.6	98.6
≥ 100	2.0	79.6	82.6	84.7	88.2	89.6	92.1	93.8	95.7	97.0	97.6	98.1	98.6	98.6	98.6	98.6
≥ 0	2.0	79.6	82.6	84.7	88.2	89.6	92.1	93.8	95.7	97.0	97.6	98.1	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 634

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO

73-81

YEARS

DATA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	1.0	45.3	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	2.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 14000	2.3	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	2.3	53.6	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	2.3	54.3	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1800	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1200	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1000	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 900	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 800	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 700	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 600	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 500	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 400	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 300	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 200	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 100	2.3	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9

TOTAL NUMBER OF OBSERVATIONS 537

7
FEDERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1920-1980
YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.6	48.6	48.6	48.6	48.6	48.6	48.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	23.7	51.5	51.5	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	23.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	23.7	51.8	51.8	51.8	51.8	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000	24.1	52.4	52.4	52.4	52.4	52.4	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	24.5	52.8	52.8	52.8	52.8	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	25.4	57.7	57.7	57.7	57.7	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	25.4	57.5	57.5	57.5	57.5	57.5	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	26.4	59.9	59.9	59.9	59.9	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	27.1	60.8	60.8	60.8	60.8	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	27.5	61.7	61.7	61.7	61.7	61.7	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	28.4	63.4	63.4	63.4	63.4	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	28.5	66.5	66.5	66.5	66.5	66.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4000	28.5	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	29.5	67.8	67.8	67.8	67.8	67.8	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	29.1	70.5	70.5	70.5	70.5	70.5	70.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2500	30.4	73.2	73.2	73.2	73.2	73.2	73.2	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	31.1	75.7	75.7	75.7	75.7	75.7	75.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	31.1	77.7	77.7	77.7	77.7	77.7	77.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1500	31.5	81.8	81.8	81.8	81.8	81.8	81.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	31.7	82.5	82.5	82.5	82.5	82.5	82.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	31.7	84.5	84.5	84.5	84.5	84.5	84.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 900	31.7	84.6	84.6	84.6	84.6	84.6	84.6	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	31.7	85.4	85.4	85.4	85.4	85.4	85.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 700	31.7	85.5	85.5	85.5	85.5	85.5	85.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	31.7	86.1	86.1	86.1	86.1	86.1	86.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 500	31.7	86.5	86.5	86.5	86.5	86.5	86.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	31.7	86.5	86.5	86.5	86.5	86.5	86.5	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 300	31.7	86.5	86.5	86.5	86.5	86.5	86.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	31.7	86.5	86.5	86.5	86.5	86.5	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	31.7	86.5	86.5	86.5	86.5	86.5	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0	31.7	86.5	86.5	86.5	86.5	86.5	86.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS 827

LOCAL CLIMATOLOGY BRANCH
 REPORT
 METEOROLOGICAL SERVICE/440

CEILING VERSUS VISIBILITY

STATION 73-61
 STATION NAME FT LEONARD 4000 MO

73-61

YEARS

1957-1958

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1957-1958

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	51.6	49.8	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2
≥ 20000	32.7	53.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 18000	32.7	53.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 16000	32.7	53.6	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5
IV 14000	33.1	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8
IV 12000	33.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
IV 10000	35.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1
IV 9000	35.6	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1
IV 8000	37.3	61.7	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2
IV 7000	37.9	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
IV 6000	37.9	63.0	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5
IV 5000	39.2	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5
IV 4500	39.7	67.8	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
IV 4000	39.5	66.0	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
IV 3500	40.0	69.4	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
IV 3000	41.7	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3
IV 2500	42.6	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7
IV 2000	43.1	76.0	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0
IV 1800	43.1	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6
IV 1500	43.7	81.5	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.4	83.4	83.4
IV 1200	43.7	82.1	82.6	82.7	83.5	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3	84.3	84.3
IV 1000	43.7	85.2	85.7	85.8	86.6	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.7	87.7	87.7
IV 900	43.9	85.7	86.3	86.5	87.4	87.6	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5
IV 800	43.9	86.2	86.9	87.1	88.6	88.6	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9
IV 700	43.9	86.6	87.6	87.9	89.4	89.6	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.9	90.9	90.9
IV 600	43.9	86.8	88.7	88.3	90.2	90.5	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.0	92.0	92.0
IV 500	43.9	87.1	89.3	89.0	91.3	91.3	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.8	92.8	92.8
IV 400	43.9	87.1	89.3	89.0	91.3	91.3	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.8	92.8	92.8
IV 300	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 200	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 100	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9
IV 0	43.9	87.2	89.5	89.1	91.4	91.4	92.1	92.1	93.0	93.0	93.0	93.0	93.0	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS 1543

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

STATION 4487 FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	12.5	46.8	47.2	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	13.1	50.6	51.1	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
IN 18000	13.1	50.7	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IN 16000	13.1	50.7	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IN 14000	13.2	51.3	51.7	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IN 12000	13.3	52.3	52.7	52.9	53.0	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IN 10000	13.3	55.9	56.5	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IN 9000	13.3	56.0	56.6	56.8	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IN 8000	14.3	57.9	58.5	58.7	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IN 7000	14.5	58.1	59.7	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IN 6000	14.6	59.7	60.3	60.5	60.7	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IN 5000	14.7	60.9	61.3	61.7	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IN 4500	15.7	62.6	63.3	63.6	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IN 4000	15.1	62.9	63.5	64.0	64.2	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7
IN 3500	15.2	64.4	65.1	65.4	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
IN 3000	15.6	66.6	67.5	67.9	68.4	68.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IN 2500	15.9	68.4	69.3	69.8	70.3	70.5	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IN 2000	16.2	71.1	72.2	72.9	73.8	74.0	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IN 1800	16.3	71.6	72.9	73.6	74.5	74.8	75.1	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IN 1500	16.4	73.3	76.6	77.6	78.9	79.3	79.9	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4
IN 1200	16.5	76.5	77.9	79.1	80.7	81.2	81.8	82.1	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.6
IN 1000	16.5	78.4	80.1	81.4	83.3	83.9	84.8	85.2	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1
IN 900	16.6	79.3	80.9	82.2	84.4	85.0	85.9	86.3	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4
IN 800	16.6	79.5	81.5	82.9	85.4	86.1	87.2	87.6	88.2	88.7	88.9	88.9	89.0	89.0	89.0	89.0
IN 700	16.6	79.9	82.0	83.6	86.3	87.2	88.4	88.9	89.5	90.1	90.3	90.4	90.5	90.5	90.5	90.5
IN 600	16.6	80.2	82.3	84.0	87.1	88.0	89.3	90.0	90.9	91.5	91.7	91.9	91.9	91.9	91.9	91.9
IN 500	16.6	80.3	82.6	84.3	87.7	88.7	90.4	91.1	92.3	93.0	93.4	93.6	93.7	93.7	93.7	93.7
IN 400	16.6	81.3	82.8	84.4	88.0	89.2	91.1	92.3	93.8	94.8	95.2	95.4	95.6	95.6	95.6	95.6
IN 300	16.6	81.4	82.6	84.5	88.1	89.4	91.5	92.8	94.5	95.7	96.3	96.6	96.8	96.9	96.9	96.9
IN 200	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.5	97.1	97.5	97.9	98.1	98.5	98.6
IN 100	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.6	97.2	97.7	98.1	98.5	99.2	99.8
IN 0	16.6	81.4	82.6	84.5	88.2	89.5	91.6	93.1	95.0	96.6	97.2	97.7	98.2	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 5079

U.S. AIR FORCE CLIMATE DIVISION
 1740
 1000 1ST AIR SERVICE MAG

CEILING VERSUS VISIBILITY

STATION NO. 1457 ST. LEONARD, 4000 MO.
 STATION NAME

73.75 YEARS

FEET
 1000

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1457-2000
 1000 1ST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 18000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 16000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 14000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 12000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 10000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 9000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 8000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 7000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 6000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 5000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 4500	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 4000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 3500	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 3000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 2500	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 2000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 1800	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 1500	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 1200	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 1000	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 900	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 800	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 700	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 600	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 500	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 400	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 300	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 200	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 100	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IVN 0	26.3	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7

TOTAL NUMBER OF OBSERVATIONS 167

7
JUNIOR CLIMATOLOGY BRANCH
STATION
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 17457 FT LEONARD WOOD MO

73-76,80

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

321-7500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.3	33.9	41.4	41.4	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 18000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 14000	28.3	41.4	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 10000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 9000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 7000	28.3	42.9	44.4	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	31.3	47.0	50.0	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 5000	32.8	50.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 4500	33.3	51.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	33.3	51.5	53.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 3500	34.3	52.5	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 3000	34.3	52.5	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 2500	34.3	52.5	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 2000	34.3	52.5	54.5	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 1800	34.3	53.0	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 1500	35.4	55.1	58.1	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 1200	35.9	58.1	61.6	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1000	35.9	61.6	66.2	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 900	35.9	63.6	68.2	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 800	35.9	64.1	69.2	71.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 700	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 600	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 500	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 400	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 300	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 200	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 100	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 0	35.9	65.2	71.2	72.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3

TOTAL NUMBER OF OBSERVATIONS 192

AF CLIMATOLOGY BRANCH
TAG
WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION 73-81
STATION NAME LEONARD WOOD M.

73-81

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-6800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	12.7	40.3	47.7	41.6	42.4	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	13.1	43.1	44.7	44.7	45.5	45.5	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	13.1	43.3	44.5	45.3	45.8	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	13.2	44.0	45.8	45.6	45.5	45.5	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	13.4	45.6	46.6	47.3	47.1	47.1	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	13.4	45.6	46.6	47.3	47.1	47.1	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	13.5	46.4	49.7	50.0	50.8	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	13.5	46.2	49.7	50.4	51.2	51.2	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 6000	13.5	49.7	50.7	51.8	52.7	52.7	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	13.5	51.1	52.3	53.4	54.4	54.4	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	14.2	53.1	54.2	55.3	56.4	56.5	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	14.3	53.7	54.9	56.3	57.1	57.2	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 3500	14.4	54.9	56.1	57.2	58.7	58.9	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	14.4	56.0	57.2	58.3	60.1	60.5	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 2500	14.9	57.1	58.6	59.9	61.7	62.1	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 2000	14.9	58.4	60.1	61.4	63.5	63.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 1800	14.9	58.7	60.4	61.7	63.9	64.3	64.4	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1500	15.4	61.0	62.9	65.1	68.0	68.4	68.8	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1200	15.4	62.9	64.9	67.0	70.0	70.4	71.0	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	15.5	67.3	69.6	72.1	75.5	76.0	77.0	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 900	15.5	66.1	70.7	73.2	76.8	77.5	78.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 800	15.5	69.7	72.2	74.9	78.7	79.6	80.7	81.9	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 700	15.5	69.1	72.8	75.7	79.8	80.7	82.0	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 600	15.5	69.2	73.3	76.6	81.2	82.2	84.2	85.4	85.6	85.8	86.0	86.0	86.1	86.1	86.2	86.2
≥ 500	15.5	69.3	73.4	76.8	81.7	83.2	85.8	87.2	88.0	89.0	89.4	89.4	89.5	89.5	89.6	89.6
≥ 400	15.5	69.5	73.6	77.1	82.4	83.9	86.8	88.7	90.3	91.4	91.6	91.8	92.0	92.0	92.1	92.1
≥ 300	15.5	69.5	73.6	77.1	82.4	83.9	87.2	89.4	91.4	92.9	93.7	93.7	94.0	94.0	94.4	95.0
≥ 200	15.5	69.5	73.6	77.1	82.4	83.9	87.5	89.6	92.1	93.7	94.7	94.8	95.5	95.6	96.2	97.1
≥ 100	15.5	69.5	73.6	77.1	82.6	84.1	87.6	90.2	92.6	94.4	95.4	95.5	96.3	96.6	97.3	99.6
≥ 0	15.5	69.5	73.6	77.1	82.6	84.1	87.6	90.2	92.6	94.4	95.4	95.5	96.3	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 734

AL CLIMATOLOGY BRANCH
JEF TAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

1457
STATION

EL LONARDO WOOD MO
STATION NAME

73-81
YEARS

FILE
NUMBER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1959
PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	4.2	41.5	42.5	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	4.2	44.6	45.8	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	4.2	44.8	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	4.2	44.9	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	4.2	45.0	46.2	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 12000	4.2	45.0	47.1	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	4.2	47.5	48.2	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 9000	4.2	47.5	49.3	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 8000	4.2	50.5	52.1	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	4.2	51.7	53.3	54.3	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 6000	4.2	51.8	53.1	54.6	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	4.2	52.6	54.5	55.5	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4500	4.2	53.3	55.5	57.0	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	4.3	54.6	56.7	58.0	59.3	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3500	4.3	55.4	57.5	59.6	61.2	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3000	4.3	57.1	59.3	60.9	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 2500	4.4	58.8	61.2	63.0	64.7	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2000	4.5	60.6	63.6	65.6	67.6	68.1	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 1800	4.6	60.9	64.2	66.1	68.2	68.8	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 1500	4.7	62.6	66.3	68.9	71.9	72.7	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 1200	4.7	64.3	68.5	71.7	75.3	75.1	76.8	77.0	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
≥ 1000	4.7	65.2	70.2	74.1	78.7	79.5	80.2	80.4	80.7	80.7	80.7	80.7	80.7	81.0	81.1	81.1
≥ 900	4.7	65.4	70.3	74.5	79.7	81.2	82.2	82.4	82.7	82.7	82.7	82.7	82.7	82.9	83.1	83.1
≥ 800	4.7	65.5	70.5	75.1	80.6	82.4	83.5	83.7	84.0	84.0	84.0	84.0	84.0	84.3	84.4	84.4
≥ 700	4.7	65.5	70.6	75.5	81.2	83.7	85.0	85.3	85.6	85.6	85.7	85.7	85.7	86.0	86.1	86.1
≥ 600	4.7	65.6	70.7	75.7	81.8	84.5	86.2	86.6	86.9	87.1	87.3	87.3	87.5	87.7	87.7	87.7
≥ 500	4.7	65.7	70.9	75.9	82.4	85.2	87.3	87.7	88.2	88.6	88.8	89.1	89.6	89.9	89.9	89.9
≥ 400	4.7	65.7	70.9	75.9	82.8	85.8	87.9	89.2	90.7	91.6	92.1	92.5	93.3	93.4	93.7	93.7
≥ 300	4.7	65.7	70.9	75.9	83.1	86.1	88.3	89.8	91.3	92.5	93.3	94.1	94.9	95.1	95.7	95.3
≥ 200	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	92.9	93.8	94.8	95.7	96.3	97.4	97.3
≥ 100	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	93.0	94.1	95.0	95.9	97.1	99.1	99.0
≥ 0	4.7	65.7	70.9	75.9	83.1	86.2	88.5	89.9	91.7	93.0	94.1	95.0	95.9	97.1	99.2	99.0

TOTAL NUMBER OF OBSERVATIONS 762

1. NAME OF STATION: FT LEOARD WOOD
2. TYPE OF STATION: SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION: FT LEOARD WOOD NAME: 73-81 YEAR: 1973-1974

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	5.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥20000	5.1	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥18000	5.5	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥16000	5.5	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥14000	5.5	52.2	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥12000	5.7	53.0	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥10000	5.7	53.5	57.3	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥9000	5.7	53.6	57.4	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥8000	5.7	58.9	60.1	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥7000	5.7	58.8	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥6000	5.7	61.7	61.2	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥5000	5.7	61.4	62.7	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥4500	5.7	62.4	63.3	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥4000	5.7	63.6	65.7	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥3500	5.7	64.4	65.8	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥3000	5.7	67.1	68.6	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥2500	5.7	69.1	70.6	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥2000	5.7	70.6	72.5	74.2	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥1800	5.7	71.4	73.1	74.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥1600	5.7	73.2	75.7	78.2	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥1400	5.7	74.4	77.3	79.6	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥1200	5.7	75.5	78.1	81.1	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥1000	5.7	75.2	78.3	81.6	85.2	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥900	5.7	75.7	79.2	82.7	86.7	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥800	5.7	76.7	79.5	83.2	87.6	88.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥700	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥600	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥500	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥400	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥300	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥200	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥100	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥50	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥0	5.7	76.1	79.6	83.3	88.2	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9

TOTAL NUMBER OF OBSERVATIONS: 761

U.S. CLIMATELOGY BRANCH
ETAC

STATION - SERVICE / MAC

CEILING VERSUS VISIBILITY

STATION LEONARD WOOD AIR
STATION NAME

73-61

FEET
MCA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.1	43.4	47.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	6.1	51.4	52.1	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4000	6.3	57.2	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 3500	7.1	65.7	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3000	7.3	65.7	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2500	7.3	65.7	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2000	7.3	65.7	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1800	7.3	65.7	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1500	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1200	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 1000	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 900	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 800	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 700	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 600	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 500	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 400	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 300	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 200	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 100	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 0	7.4	66.9	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6

TOTAL NUMBER OF OBSERVATIONS 757

CLIMATE LOG
STATION SERVICE YEAR

CEILING VERSUS VISIBILITY

STATION 14487 STATION NAME FT LEONARD 4000 MD

73-01

YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1990-2000
HOURS PER YEAR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1800	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1200	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1000	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 900	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 800	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 700	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 600	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 500	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 400	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 300	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 200	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 100	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 0	27.7	52.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS 741

LOCAL CLIMATOLOGY BRANCH
 AFCE/ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MC

73-81

FE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	33.7	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	35.1	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	35.3	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	35.4	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	36.4	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	36.4	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	38.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	38.2	60.5	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	38.5	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	40.0	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4500	40.2	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	40.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 3500	40.7	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	40.7	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2500	41.5	69.3	69.3	69.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2000	42.1	72.4	72.4	72.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	42.3	72.8	72.8	72.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1500	42.4	76.4	76.4	76.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200	43.4	79.8	79.8	79.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	44.2	80.9	80.9	80.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	44.2	83.4	83.4	83.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	44.2	84.1	84.1	84.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 700	44.2	84.4	84.4	84.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	44.2	85.0	85.0	85.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 300	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 200	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 100	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0	44.2	85.2	85.2	85.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 615

U.S. AIR FORCE
METEOROLOGICAL BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO STATION NAME

73-81 YEARS

FEET MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	13.4	44.9	48.6	48.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000	14.5	45.0	49.5	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	14.5	45.1	49.9	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	14.6	44.4	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	14.6	50.2	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	15.3	52.5	53.5	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	15.3	52.6	53.5	53.8	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	15.2	54.3	55.3	56.2	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	15.3	55.5	56.5	56.9	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	15.5	56.5	57.6	58.1	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	15.3	55.0	59.2	59.8	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	16.3	59.3	60.5	61.2	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	16.4	60.1	61.4	62.0	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3500	16.6	61.3	62.5	63.2	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	16.3	62.8	64.2	64.9	65.8	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500	17.1	64.4	65.9	66.8	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2000	17.2	66.5	68.2	69.3	70.4	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 1800	17.3	67.1	68.9	69.9	71.3	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	17.5	69.8	72.1	73.6	75.6	76.1	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7
≥ 1200	17.7	71.6	74.3	76.0	78.4	78.9	79.3	79.5	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 1000	17.9	73.5	76.5	78.6	81.8	82.4	82.9	83.3	83.4	83.7	83.8	83.8	84.0	84.0	84.0	84.0
≥ 900	17.7	73.9	77.0	79.2	82.6	83.5	84.2	84.6	84.8	85.0	85.2	85.3	85.4	85.4	85.4	85.4
≥ 800	18.3	74.2	77.6	80.1	83.8	84.9	85.7	86.2	86.5	86.8	86.9	87.0	87.1	87.2	87.2	87.2
≥ 700	18.3	74.5	77.7	80.7	84.7	85.9	86.9	87.4	87.8	88.3	88.5	88.6	88.7	88.8	88.9	88.9
≥ 600	18.3	74.7	78.2	81.3	85.8	87.2	88.5	89.1	89.5	90.2	90.4	90.5	90.6	90.7	90.8	90.8
≥ 500	18.1	74.8	78.4	81.5	86.3	87.8	89.5	90.4	91.1	92.0	92.2	92.4	92.7	92.8	92.9	92.9
≥ 400	18.3	74.9	78.5	81.7	86.7	88.4	89.4	91.8	93.0	94.2	94.6	94.8	95.1	95.2	95.4	95.4
≥ 300	18.0	74.9	78.5	81.7	86.9	88.6	90.9	92.5	93.8	95.4	95.9	96.2	96.6	96.8	97.1	97.3
≥ 200	18.0	74.9	78.5	81.7	86.9	88.7	91.0	92.7	94.1	95.9	96.6	97.0	97.6	97.9	98.4	98.7
≥ 100	18.0	74.9	78.5	81.7	86.9	88.7	91.1	92.8	94.3	96.1	96.9	97.3	97.9	98.5	99.2	99.6
≥ 0	18.0	74.9	78.5	81.7	86.9	88.7	91.1	92.8	94.3	96.1	96.9	97.3	97.9	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 4775

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

405
STATION

FT LEONARD WOOD MO
STATION NAME

73.75
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

5000-2700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ 0
NO RECORD ≥ 27000	21.5	34.6	47.3	40.9	40.9	40.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 18000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	23.1	45.2	46.2	46.8	46.8	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	23.1	46.2	47.3	47.8	47.8	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	23.1	46.2	47.3	47.8	47.8	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	27.4	50.5	51.1	51.6	51.6	51.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 7000	27.4	50.5	52.2	52.7	52.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	27.4	53.6	55.4	55.9	55.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 5000	29.5	59.1	60.6	61.3	61.3	61.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3500	29.5	62.4	64.6	64.5	65.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3000	22.3	65.1	66.7	67.2	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	22.3	66.1	67.7	68.3	68.8	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 2000	33.3	70.4	72.0	72.6	73.1	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	33.3	72.0	73.7	74.2	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1500	34.6	76.9	78.5	79.1	79.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	34.6	76.9	79.1	79.6	81.2	81.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	34.6	76.9	81.2	81.2	83.3	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	34.6	77.0	81.2	81.7	83.9	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	34.6	77.0	81.2	81.7	84.4	84.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 700	34.6	77.0	81.2	81.7	86.6	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 600	34.6	77.0	81.2	81.7	86.6	86.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	34.6	81.2	83.3	83.9	89.8	89.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	34.6	81.2	83.3	83.9	89.8	89.8	91.9	91.9	91.9	92.5	92.5	92.5	92.5	92.5	92.5
≥ 300	34.6	81.2	83.3	83.9	89.8	89.8	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0
≥ 200	34.6	81.2	83.3	83.9	89.8	89.8	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0
≥ 100	34.6	81.2	83.3	83.9	89.8	89.8	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0
≥ 0	34.6	81.2	83.3	83.9	89.8	89.8	92.5	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 186

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

437 STATION 77 LEONARD 4000 MD

73-75

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-510

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	32.2	31.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	32.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
18000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
16000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
14000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
12000	22.7	42.1	42.0	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
10000	23.1	44.0	44.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.8	45.8	45.8
9000	23.1	44.0	44.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.8	45.8	45.8
8000	24.1	47.2	47.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5
7000	24.1	47.2	47.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5
6000	27.3	53.7	54.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.9	56.9	56.9
5000	27.3	53.7	54.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.9	56.9	56.9
4500	30.1	57.9	59.8	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.6	61.6	61.6
4000	30.1	57.9	59.8	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.6	61.6	61.6
3500	31.1	59.7	61.4	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4	63.4	63.4
3000	31.1	59.7	61.4	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4	63.4	63.4
2500	33.3	62.5	63.9	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.7	66.7	66.7
2000	33.3	62.5	63.9	65.7	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.7	66.7	66.7
1800	36.1	66.7	68.1	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8
1500	36.1	66.7	68.1	69.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8
1200	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
1000	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
900	36.6	71.8	73.1	75.0	76.4	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.3
800	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
700	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
600	37.0	74.5	75.9	77.8	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.1	80.1	80.1
500	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
400	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
300	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
200	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
100	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0
0	37.0	75.9	77.8	81.5	84.3	84.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.0	88.0	88.0

TOTAL NUMBER OF OBSERVATIONS 216

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

437
 STATION

FT LEONARD WOOD MO
 STATION NAME

73-61
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1600-0800
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	5.6	47.4	41.7	47.1	47.1	43.5	43.6	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	6.2	44.3	45.7	46.2	47.5	47.9	48.0	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	6.2	44.6	45.5	46.3	47.6	48.0	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 16000	6.2	44.6	45.5	46.3	47.6	48.0	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 14000	7.1	44.6	46.1	46.6	47.9	48.2	48.4	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	7.2	45.7	47.1	47.5	48.9	49.2	49.4	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 10000	7.6	47.1	48.4	48.9	50.4	50.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 9000	7.6	47.1	48.4	48.9	50.4	50.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	7.7	49.7	51.3	52.0	53.5	53.9	54.2	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	7.7	51.9	52.4	53.3	54.8	55.3	55.5	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	8.3	52.1	53.7	54.7	56.5	57.1	57.3	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 5000	8.7	53.9	55.4	56.4	58.6	59.1	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4500	9.7	56.5	59.1	59.1	62.0	62.5	62.8	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	9.7	57.2	58.7	59.6	62.8	63.4	63.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	9.7	57.2	58.7	59.6	62.8	63.4	63.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3000	9.9	58.9	60.5	61.7	64.7	65.5	65.9	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	10.1	59.9	61.5	62.8	65.9	66.6	67.0	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2000	10.7	62.7	64.8	66.0	69.3	70.0	70.4	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1800	10.7	63.5	65.6	67.0	70.3	71.0	71.4	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	10.7	65.6	68.0	69.4	73.0	73.9	74.6	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1200	11.7	67.1	69.5	71.2	75.1	75.9	76.7	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	11.7	68.3	71.0	73.0	77.1	78.2	79.1	79.3	80.0	80.2	80.2	80.2	80.4	80.4	80.4	80.4
≥ 900	11.7	69.3	71.5	73.9	78.1	79.8	80.9	81.1	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.1
≥ 800	11.7	70.6	73.8	76.1	80.2	82.1	83.1	83.5	84.1	84.4	84.4	84.4	84.5	84.6	84.6	84.6
≥ 700	11.1	71.5	74.7	77.3	82.0	84.3	85.8	86.5	87.2	87.7	87.7	87.8	87.9	87.9	87.9	87.9
≥ 600	11.1	72.3	75.6	78.5	83.8	86.1	87.8	88.8	89.5	90.1	90.1	90.2	90.4	90.6	90.6	90.6
≥ 500	11.1	72.5	75.9	79.0	84.8	87.4	89.3	90.7	91.7	92.2	92.3	92.4	92.7	92.8	92.8	92.8
≥ 400	11.1	72.5	76.1	79.2	85.4	88.2	91.1	92.7	93.8	94.3	94.7	95.0	95.3	95.6	95.6	95.6
≥ 300	11.1	72.5	76.1	79.2	85.5	88.3	91.2	92.9	94.6	95.5	95.8	96.2	97.0	97.2	97.2	97.2
≥ 200	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.7	97.1	97.9	98.4	98.6	98.7
≥ 100	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.9	97.2	98.5	99.2	99.7	99.9
≥ 0	11.1	72.5	76.1	79.2	85.5	88.4	91.3	93.1	95.0	96.1	96.9	97.2	98.5	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 794

FEDERAL CLIMATOLOGY BRANCH
ETAC
STATISTICAL SERVICE/AC

CEILING VERSUS VISIBILITY

STATION

FI LEONARD 4000 AC

73-81

YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	3.2	45.4	45.9	46.5	47.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	3.7	51.6	51.6	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	3.7	51.6	52.3	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	3.7	53.4	54.3	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	3.7	53.5	54.4	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	3.7	56.4	57.4	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8
≥ 7000	3.7	57.5	58.4	59.2	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	3.7	57.7	58.7	59.3	60.2	60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	3.7	59.3	60.5	61.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4500	4.3	60.8	61.9	62.6	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4000	4.3	61.5	63.0	64.0	64.9	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	4.3	63.1	64.2	65.1	66.1	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000	4.3	65.5	66.5	67.7	68.7	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	4.4	67.4	68.5	69.6	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2000	4.4	69.2	70.7	72.1	73.4	73.7	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	4.4	69.8	71.3	72.8	74.1	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1500	4.4	72.5	74.5	76.5	78.0	78.2	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	4.4	73.8	75.3	76.2	80.0	80.2	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	4.4	75.3	79.6	80.8	83.2	84.1	84.6	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 900	4.4	75.8	79.3	81.9	84.8	86.0	86.5	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 800	4.4	76.8	80.4	83.2	86.7	88.3	88.9	89.3	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	4.4	77.5	81.3	84.6	88.4	90.2	90.8	91.5	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.6
≥ 600	4.4	78.4	82.4	85.7	89.6	91.6	92.3	93.5	94.1	94.6	94.7	94.7	94.9	94.9	94.9	95.1
≥ 500	4.4	78.6	82.5	86.0	90.1	92.3	93.3	94.9	95.4	95.9	96.4	96.4	96.5	96.5	96.5	96.8
≥ 400	4.4	78.6	82.6	86.1	90.7	93.4	94.5	96.5	97.2	97.7	98.2	98.3	98.4	98.4	98.6	98.8
≥ 300	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.4	98.0	98.4	98.6	98.8	99.0	99.2	99.4
≥ 200	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.8	98.9	99.0	99.4	99.6	99.9
≥ 100	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.9	99.0	99.4	99.6	99.8	100.0
≥ 0	4.4	78.7	82.8	86.2	90.8	93.5	94.6	96.6	97.5	98.3	98.9	99.0	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 835

U.S. AIR FORCE
U.S. AIR FORCE
U.S. AIR FORCE

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MO

73-81

MAE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1222-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.3	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	4.4	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	4.4	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	4.4	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	4.4	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	4.5	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	4.5	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	4.5	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	5.3	53.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	5.3	53.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	5.3	57.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	5.4	61.5	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	5.7	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	5.7	65.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	6.2	67.2	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	6.2	70.3	71.4	71.5	71.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	6.5	72.8	73.9	74.3	74.4	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	6.5	76.4	77.6	78.3	78.8	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	6.5	77.2	78.5	79.3	79.8	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	6.5	79.7	81.7	82.7	83.6	84.2	84.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	6.5	81.1	84.1	85.5	86.8	87.4	87.6	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	6.5	82.1	85.3	87.6	89.1	89.8	90.1	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	6.5	82.4	85.8	88.4	90.1	90.8	91.1	91.7	91.9	92.0	92.1	92.1	92.1	92.2	92.2	92.2
≥ 800	6.5	82.4	85.9	89.0	91.1	91.9	92.3	92.9	93.1	93.3	93.5	93.5	93.8	93.8	93.8	93.8
≥ 700	6.5	82.7	86.4	89.6	92.2	92.9	93.4	94.1	94.3	94.6	94.9	94.9	95.2	95.2	95.2	95.2
≥ 600	6.5	82.8	86.6	90.1	93.2	94.0	94.6	95.5	95.6	96.1	96.4	96.4	96.8	96.8	96.8	96.8
≥ 500	6.5	82.9	87.1	90.6	93.9	95.0	95.6	96.5	96.8	97.2	97.7	97.7	98.1	98.1	98.1	98.1
≥ 400	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.5	97.7	98.2	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.6	98.0	98.4	98.9	99.0	99.4	99.4	99.4	99.4
≥ 200	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.7	98.2	98.7	99.2	99.3	99.6	99.6	99.6	99.6
≥ 100	6.5	82.9	87.1	90.8	94.6	95.7	96.3	97.7	98.2	98.7	99.2	99.3	99.6	99.6	99.6	99.6
≥ 0	6.5	83.0	87.2	90.9	94.7	95.8	96.4	97.8	98.3	98.8	99.3	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 434

USAF CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD
STATION NAME

73-81
YEAR

437
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15.0-17.0
FOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	5.5	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	5.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18 00	6.1	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	6.1	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	6.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	6.6	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	6.7	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	6.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	7.2	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	7.2	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	7.3	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	7.5	64.2	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4500	8.1	68.2	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	8.2	70.1	70.8	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	8.6	72.4	73.1	73.6	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3000	8.8	75.5	76.2	76.8	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2500	8.8	77.8	78.7	79.5	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	8.9	80.4	81.4	82.6	83.0	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	8.9	80.3	82.2	83.3	83.6	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	8.8	83.0	84.8	86.0	86.7	87.3	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	8.3	84.3	86.3	87.7	88.6	89.4	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	8.3	84.7	86.9	88.4	89.5	90.2	90.8	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	8.8	84.7	86.9	88.5	89.6	90.3	90.9	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	8.8	85.3	87.8	89.7	91.2	92.1	92.8	93.3	93.4	93.5	93.7	93.7	93.8	93.8	93.9	93.9
≥ 700	8.8	85.4	87.9	90.1	91.9	92.8	93.5	94.0	94.1	94.4	94.5	94.5	94.6	94.6	94.7	94.7
≥ 600	8.8	85.4	88.2	90.6	92.5	93.4	94.5	95.0	95.1	95.3	95.5	95.5	95.6	95.6	95.7	95.7
≥ 500	8.8	85.7	88.4	91.3	93.2	94.5	95.6	96.1	96.2	96.4	96.7	96.9	97.1	97.1	97.3	97.3
≥ 400	8.9	85.7	88.4	91.3	93.2	94.6	95.9	96.7	96.8	97.4	97.7	98.0	98.2	98.3	98.4	98.4
≥ 300	8.8	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	97.7	98.2	98.4	98.7	98.7	98.8	98.9
≥ 200	8.9	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.3	99.5	99.8
≥ 100	8.3	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.2	99.8	100.0
≥ 0	8.6	85.7	88.4	91.3	93.2	94.6	95.9	96.7	97.0	98.0	98.4	98.9	99.2	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 437

AL CLIMATOLOGY BRANCH
AFETAC
FATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-2400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	13.3	51.7	51.8	50.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	17.7	56.7	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	17.3	56.3	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	17.3	56.8	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	17.7	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	17.9	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	20.7	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	20.7	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 8000	21.3	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	21.2	64.0	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	22.3	66.1	66.4	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	23.3	68.4	68.9	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	23.9	71.2	71.7	71.9	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	23.3	72.6	73.1	73.4	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	23.3	73.9	74.4	74.8	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	24.5	76.6	77.2	77.6	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	24.6	78.6	79.2	80.0	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	25.0	81.5	82.2	83.0	83.3	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	25.2	81.9	82.7	83.5	83.7	84.0	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	25.4	84.0	85.6	86.6	87.2	87.4	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	25.5	85.3	87.0	87.9	88.6	88.9	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	25.6	86.6	88.4	89.5	90.3	90.7	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	25.6	87.7	89.8	89.8	91.7	91.0	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	25.6	87.2	89.7	90.2	91.1	91.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	25.6	87.6	89.9	90.9	92.0	92.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	25.6	87.7	89.7	91.1	92.3	93.1	94.4	94.4	94.5	94.7	94.7	94.9	95.0	95.1	95.2	95.2
≥ 500	25.6	88.0	90.1	91.5	92.7	93.5	95.0	95.1	95.3	95.6	95.7	95.8	95.9	95.9	96.1	96.2
≥ 400	25.6	88.4	90.4	92.0	93.4	94.4	96.4	96.9	97.1	97.5	97.6	97.7	98.0	98.0	98.1	98.3
≥ 300	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.1	98.2	98.4	98.7	98.7	98.8	99.0
≥ 200	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.1	98.2	98.4	98.7	98.7	98.8	99.0
≥ 100	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.2	98.3	98.6	98.8	98.9	99.3	100.0
≥ 0	25.6	88.4	90.4	92.0	93.4	94.4	96.5	97.1	97.4	98.2	98.3	98.6	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 136

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 METEOROLOGICAL SERVICE/AMC

CEILING VERSUS VISIBILITY

4457
 STATION

LEONARD WOOD MO
 STATION NAME

73-51
 YEAR

4457
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-73
 DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	51.7	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 20000	13.3	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	13.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	13.3	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 14000	13.3	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	33.9	58.1	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	35.5	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	36.6	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	37.7	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	38.2	66.4	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 5000	38.3	66.5	66.9	67.1	67.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	38.7	71.5	72.1	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4000	41.0	72.1	72.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	41.3	73.6	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3000	42.3	76.4	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	42.3	77.1	78.1	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	43.2	80.2	81.3	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1800	43.7	83.9	82.1	82.3	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	44.2	83.6	84.3	85.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	44.3	85.3	85.3	86.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	44.4	86.5	87.6	88.0	89.0	89.0	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	44.4	87.3	88.7	89.2	90.2	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 800	44.4	87.7	89.3	89.9	91.0	91.0	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	44.4	87.9	89.5	90.5	91.6	91.6	91.6	91.6	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	44.4	88.7	90.3	91.5	92.6	92.6	92.6	92.9	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	44.4	89.2	90.7	91.9	93.0	93.2	93.9	94.4	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	44.4	89.5	91.0	92.2	93.9	94.0	95.0	95.7	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	44.4	89.5	91.0	92.2	94.0	94.0	95.7	96.4	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	44.4	89.5	91.0	92.2	94.0	94.7	96.0	96.7	97.0	97.6	98.0	98.1	98.1	98.1	98.1	98.1
≥ 100	44.4	89.5	91.0	92.2	94.0	94.9	96.2	96.9	97.2	98.3	99.0	99.1	99.1	99.1	99.1	99.1
≥ 0	44.4	89.5	91.0	92.2	94.0	94.9	96.2	96.9	97.2	98.4	99.1	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 702

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO 75-81 YEAR MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	11.5	43.1	46.6	46.3	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	12.6	51.4	52.0	52.3	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	12.6	51.6	52.2	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	12.6	51.6	52.2	52.4	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	12.6	52.0	52.5	52.8	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	12.7	52.6	53.2	53.5	53.6	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	13.4	54.9	55.5	55.7	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	13.4	54.9	55.5	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	14.0	57.6	56.2	56.5	56.9	56.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥ 7000	14.3	58.6	57.3	58.6	60.0	60.1	62.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	14.7	60.2	61.0	61.4	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 5000	15.1	62.5	63.3	63.7	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	15.7	65.0	65.8	66.3	67.0	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
≥ 4000	15.6	66.0	66.9	67.5	68.3	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	16.0	67.4	68.3	68.9	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2
≥ 3000	16.7	69.9	70.9	71.6	72.4	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
≥ 2500	16.8	71.6	72.7	73.5	74.3	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000	17.1	74.5	75.8	76.8	77.8	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1800	17.3	75.1	76.5	77.5	78.5	78.9	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	17.5	77.6	79.5	80.6	81.9	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	17.5	79.0	81.1	82.4	84.0	84.4	84.9	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	17.6	80.1	82.5	84.1	85.9	86.5	87.1	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	17.6	80.6	83.0	84.9	86.8	87.5	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 800	17.6	81.2	83.7	85.9	88.1	89.0	89.6	89.9	90.0	90.3	90.4	90.4	90.4	90.6	90.6	90.6
≥ 700	17.6	81.6	84.3	86.6	89.2	90.2	90.9	91.4	91.6	91.9	92.0	92.0	92.0	92.2	92.2	92.2
≥ 600	17.6	82.0	84.9	87.4	90.2	91.3	92.3	92.9	93.2	93.6	93.7	93.7	93.7	93.9	93.9	93.9
≥ 500	17.6	82.4	85.3	87.9	90.9	92.2	93.4	94.2	94.6	95.0	95.2	95.3	95.3	95.5	95.5	95.5
≥ 400	17.6	82.5	85.5	88.1	91.5	93.0	94.5	95.6	96.0	96.5	96.8	96.9	97.2	97.2	97.2	97.2
≥ 300	17.6	82.5	85.5	88.2	91.6	93.1	94.7	95.9	96.4	97.0	97.4	97.6	97.9	98.0	98.1	98.1
≥ 200	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.3	97.7	98.0	98.3	98.6	98.7	98.7
≥ 100	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.5	98.0	98.3	98.7	99.0	99.3	99.7
≥ 0	17.6	82.5	85.5	88.2	91.6	93.2	94.8	96.0	96.6	97.6	98.1	98.3	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5242

LOCAL CLIMATOLOGY BRANCH
 145
 DATA - SERVICE/440

CEILING VERSUS VISIBILITY

STATION 01457 ST LEONARD MOON MD

73.75

YEARS

82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

755-0

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	23.3	43.3	45.3	45.3	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 18000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 16000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 14000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 9000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 7000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 5000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 3500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 3000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 2500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 2000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1800	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1200	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1000	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 900	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 800	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 700	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 600	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 500	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 400	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 300	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 200	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 100	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 0	26.1	43.3	45.3	45.3	45.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4

TOTAL NUMBER OF OBSERVATIONS 15

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1	10000	25.7	45.6	48.6	46.0	41.0	46.0	44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2	8000	25.7	47.6	47.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
3	6000	25.7	49.6	49.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4	4000	25.7	49.6	49.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	2000	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
6	1000	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
7	800	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
8	600	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
9	400	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
10	200	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
11	100	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
12	80	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
13	60	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
14	40	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
15	20	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
16	10	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
17	5	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18	2	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
19	1	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
20	0	25.7	51.6	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE METEOROLOGICAL BRANCH
TAF
TAF SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION 401 STATION NAME LEONARD, 1000 MI

73-01

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

500-1000
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.2	40.1	43.1	48.6	44.7	48.8	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.2
≥20000	5.8	50.1	52.2	52.8	53.2	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥18000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥16000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥14000	5.5	51.6	52.7	53.4	53.7	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.3	54.3	54.3	54.3
≥12000	5.5	51.0	53.2	53.7	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.8	54.8	54.8	54.8
≥10000	5.7	54.8	57.1	57.7	58.1	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6
≥9000	5.7	54.8	57.2	57.9	58.2	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.8	58.8	58.8	58.8
≥8000	5.7	58.5	61.0	61.9	62.2	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.8	62.8	62.8	62.8
≥7000	5.7	62.5	63.2	64.2	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.1	65.1
≥6000	5.7	62.2	64.7	65.7	66.2	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.8	66.8	66.8	66.8
≥5000	5.1	54.8	67.4	68.7	69.3	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥4500	6.1	60.5	69.7	71.5	71.5	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0
≥4000	6.1	67.4	71.1	71.4	72.6	72.7	72.8	72.8	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.1
≥3500	6.1	69.4	71.5	73.1	74.2	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7
≥3000	6.2	70.4	73.7	75.1	76.4	76.7	76.8	76.8	76.8	76.9	76.9	76.9	77.1	77.1	77.1	77.1
≥2500	6.5	71.6	75.0	76.3	78.0	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
≥2000	6.5	73.2	77.1	78.5	80.5	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2
≥1800	6.5	73.5	77.4	78.9	80.9	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6
≥1500	6.5	75.3	80.1	81.6	84.0	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.7	84.7	84.7	84.7
≥1200	6.5	77.3	81.3	83.2	85.4	85.7	85.8	85.8	85.8	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥1000	6.6	78.2	82.5	84.5	87.1	87.8	88.0	88.0	88.0	88.3	88.3	88.3	88.4	88.4	88.4	88.4
≥900	6.6	78.4	82.7	84.9	87.6	88.4	88.8	88.8	88.8	89.0	89.0	89.0	89.2	89.2	89.2	89.2
≥800	6.6	79.1	83.6	85.6	88.5	89.3	89.7	89.8	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥700	6.6	79.3	84.4	86.6	89.6	90.3	90.9	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥600	6.6	79.9	84.7	87.2	90.6	91.4	92.0	92.7	92.8	92.9	93.0	93.0	93.2	93.2	93.2	93.2
≥500	6.6	79.9	84.7	87.4	91.2	92.3	93.2	94.1	94.2	94.5	94.7	94.7	95.0	95.0	95.0	95.0
≥400	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥300	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥200	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥100	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0
≥0	6.6	80.0	84.8	87.8	91.6	93.0	94.2	95.4	96.1	96.4	96.6	96.6	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 775

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

CEILING VERSUS VISIBILITY

STATION NO. LEONARD WOOD AFB
 STATION NAME

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

92-100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.2	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
≥ 20000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 18000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 16000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 14000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 12000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 10000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 9000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 8000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 7000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 6000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 5000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 4000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 3500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 3000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 2500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 2000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1800	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1200	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 1000	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 900	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 800	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 700	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 600	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 500	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 400	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 300	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 200	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 100	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 0	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8

TOTAL NUMBER OF OBSERVATIONS 112

AL CLIMATOLOGY BRANCH
1210
DATA SERVICE/NA

CEILING VERSUS VISIBILITY

457
STATION

LEONARD WOOD MC
STATION NAME

73-51

YEARS

APR
1954

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1247-145
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	6.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 20000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	6.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	4.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 12000	6.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 10000	7.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 9000	7.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	7.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	7.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 6000	7.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	7.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4500	7.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 4000	7.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 3500	7.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 3000	4.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	8.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2000	8.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1800	8.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500	8.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200	8.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	8.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 900	8.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 800	8.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 700	8.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 600	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 400	8.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 300	8.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 200	8.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 100	8.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 0	8.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS 11

U.S. AIR FORCE
 METEOROLOGICAL BRANCH
 AFM-ETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

457 ST LEONARD WOOD MO
 STATION STATION NAME

73-81

YEAR

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
 HOUR

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	6.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	7.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	7.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	7.1	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	7.1	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	7.2	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	7.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	7.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	7.2	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	7.2	65.3	65.7	66.7	65.8	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	7.2	67.4	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	7.3	69.5	70.1	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4500	7.4	72.2	72.7	72.7	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	7.7	77.5	77.5	77.5	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	7.7	78.9	79.4	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	8.1	85.4	85.9	85.9	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	8.5	87.4	87.9	87.9	88.6	88.8	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	8.5	88.9	89.5	89.8	90.5	90.6	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	8.5	89.5	90.2	90.5	91.4	91.5	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	8.5	91.2	92.7	93.0	94.0	94.2	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	8.5	91.4	93.1	93.2	94.6	94.8	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	8.5	92.1	93.8	94.2	95.6	95.9	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	8.5	92.1	93.8	94.2	95.6	95.9	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	8.5	92.2	94.3	94.3	95.6	96.2	96.7	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	8.5	92.7	94.4	94.9	96.5	96.9	97.5	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	8.5	93.0	94.7	95.2	96.8	97.3	97.9	98.1	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	8.5	93.1	94.9	95.6	97.2	97.7	98.3	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	8.5	93.1	94.9	95.6	97.3	97.8	98.4	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	8.5	93.1	94.9	95.6	97.4	97.9	98.5	98.8	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 512

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1770
 EIGHTH SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION 457 F. LEONARD WOOD MD
 STATION NAME

73-81

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1600-2000
 HOUR

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.3	40.6	44.6	46.6	46.6	43.6	48.6	48.0	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	15.7	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	15.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	15.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	15.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	15.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	17.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	17.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	17.7	66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	18.3	67.7	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	18.7	70.3	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000	18.4	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4500	18.5	76.0	76.1	76.1	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4000	18.7	78.5	78.6	78.6	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	19.1	81.1	81.2	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000	19.3	85.0	85.5	85.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	19.4	86.9	87.6	87.8	88.9	89.0	89.2	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	19.9	89.1	90.1	90.4	91.8	92.0	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	19.9	89.6	90.6	90.9	92.3	92.5	92.8	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	20.0	91.0	92.1	92.5	93.9	94.2	94.7	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	20.1	91.8	93.1	93.4	95.2	95.4	95.9	96.0	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	20.1	92.6	93.9	94.3	96.0	96.3	96.8	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	20.1	92.6	93.9	94.3	96.0	96.4	96.9	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	20.1	92.8	94.3	94.8	97.5	97.4	97.9	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	20.1	93.0	94.4	95.2	97.4	97.8	98.3	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	20.1	93.0	94.4	95.3	97.5	97.9	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	20.1	93.0	94.4	95.3	97.5	98.0	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	20.3	93.1	94.6	95.4	97.7	98.1	99.0	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	20.3	93.1	94.6	95.4	97.7	98.1	99.1	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	20.3	93.1	94.6	95.4	97.7	98.1	99.1	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 609

LOCAL CLIMATOLOGY BRANCH
ETAC

WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

ST. LEONARD WOOD RD

73-81

YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000
AUGUST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	57.5	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	38.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	28.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	23.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000	28.7	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 12000	39.2	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 10000	40.5	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 9000	40.7	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	41.1	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 7000	41.4	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 6000	41.4	67.5	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	42.2	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4500	43.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4000	44.6	78.3	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500	44.9	80.3	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	45.4	84.2	84.2	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	46.4	86.2	86.2	86.2	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	47.3	89.4	89.4	89.4	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	47.3	89.5	89.5	89.5	89.5	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	47.5	90.7	90.7	90.7	90.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1200	47.6	92.0	92.0	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	48.0	93.3	93.3	93.3	93.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	48.1	93.6	93.6	93.6	93.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	48.3	94.2	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	48.3	94.2	94.2	94.2	94.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600	48.3	94.4	94.4	94.4	94.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	48.3	94.6	94.6	94.6	94.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400	48.3	95.3	95.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	48.4	95.4	95.4	95.4	95.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 159

LOCAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 45 FT LEONARD WOOD MD

73-61

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING	12.6	47.2	40.5	40.6	40.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	13.4	54.9	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000	13.4	55.0	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	13.4	55.0	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	13.3	55.2	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 12000	13.4	56.1	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	14.1	59.3	67.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7
IV 9000	14.1	59.9	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 8000	14.3	63.4	64.1	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	14.4	64.6	65.2	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	14.4	66.3	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000	14.3	69.2	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4500	15.7	71.1	72.1	72.3	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
IV 4000	15.3	73.3	74.2	74.5	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 3500	15.6	75.1	76.2	76.6	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3
IV 3000	15.8	79.1	80.3	80.7	81.5	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500	16.2	81.4	82.6	83.2	84.1	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6
IV 2000	16.4	83.8	85.3	85.9	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6
IV 1800	16.4	84.4	85.9	86.6	87.8	87.9	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.4	88.4
IV 1500	15.5	86.5	88.4	89.2	90.5	90.6	90.9	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2
IV 1200	16.5	87.4	89.4	90.3	91.7	91.9	92.2	92.3	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6
IV 1000	16.6	88.5	90.6	91.5	93.2	93.4	93.8	93.9	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3
IV 900	16.6	88.3	91.9	91.9	93.6	93.9	94.3	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.9	94.9
IV 800	16.6	89.2	91.4	92.4	94.3	94.7	95.1	95.3	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
IV 700	16.6	89.6	91.9	93.0	95.0	95.4	95.9	96.2	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.6
IV 600	15.6	89.7	92.0	93.3	95.4	95.9	96.5	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.5	97.5
IV 500	15.4	89.8	92.2	93.6	95.8	96.4	97.2	97.6	97.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4
IV 400	16.7	90.3	92.4	93.8	96.1	96.8	97.6	98.1	98.4	98.8	99.0	99.0	99.1	99.1	99.1	99.1
IV 300	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.4	98.8	99.2	99.4	99.4	99.5	99.6	99.6	99.6
IV 200	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.4	98.8	99.3	99.5	99.5	99.7	99.7	99.8	99.8
IV 100	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.5	98.9	99.3	99.6	99.6	99.8	99.8	99.9	100.0
IV 0	16.7	91.0	92.4	93.8	96.2	96.9	97.8	98.5	98.9	99.3	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5080

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MD
STATION NAME

73.75
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	45.1	73.5	74.1	74.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	76.2	76.2	76.2	76.2
≥ 20000	45.2	75.1	76.8	76.8	76.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 18000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 16000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 14000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 12000	49.2	75.1	76.8	76.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	76.9	78.9	78.9	78.9
≥ 10000	50.3	78.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.2	82.2	82.2	82.2
≥ 9000	50.3	78.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.2	82.2	82.2	82.2
≥ 8000	50.3	81.6	83.2	83.2	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.4	85.4	85.4	85.4
≥ 7000	51.4	82.2	83.8	83.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.9	85.9	85.9	85.9
≥ 6000	51.4	83.2	84.9	84.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.0	87.0	87.0	87.0
≥ 5000	52.4	85.9	87.6	87.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.7	89.7	89.7	89.7
≥ 4500	52.4	85.9	87.6	87.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.7	89.7	89.7	89.7
≥ 4000	52.4	85.9	88.1	88.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
≥ 3500	53.5	87.6	89.2	89.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9	91.9	91.9	91.9
≥ 3000	53.5	87.6	89.7	89.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.9	91.9	91.9	91.9
≥ 2500	53.5	89.2	91.9	91.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.1	94.1	94.1	94.1
≥ 2000	53.5	90.8	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1	95.1
≥ 1800	53.5	90.8	93.5	93.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.7	95.7	95.7	95.7
≥ 1500	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.8	96.8	96.8
≥ 1200	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 1000	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 900	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 800	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 700	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 600	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 500	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 400	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 300	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 200	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 100	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8
≥ 0	54.6	91.9	94.6	94.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 182

CLIMATE CLIMATOLOGY BRANCH
710
NATIONAL WEATHER SERVICE/FAO

CEILING VERSUS VISIBILITY

STATION 457 FA LEONARD WOOD MO
STATION NAME

73-80

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1302-0501
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	17.4	49.3	52.1	53.2	57.0	58.4	59.5	60.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.7
≥ 20000	18.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000	18.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	18.7	52.3	55.9	57.3	62.5	63.1	64.2	65.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 14000	18.7	52.3	55.9	57.6	62.8	63.4	64.5	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	18.7	52.6	56.2	57.9	63.1	63.6	64.7	65.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 10000	19.0	55.1	59.6	60.9	66.1	66.7	67.8	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
≥ 9000	19.3	55.1	59.6	60.9	66.1	66.7	67.8	68.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
≥ 8000	19.5	57.5	61.7	63.6	68.9	69.4	70.5	71.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.3
≥ 7000	19.8	60.1	64.2	66.4	71.6	72.2	73.3	74.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.0
≥ 6000	19.8	60.3	64.7	66.9	72.5	73.0	74.1	75.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.9
≥ 5000	19.8	62.8	67.5	69.7	75.2	75.8	76.9	78.0	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.9
≥ 4500	19.8	64.5	69.1	71.6	77.1	77.7	78.8	79.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.8
≥ 4000	20.1	64.7	69.4	72.2	77.7	78.2	79.3	80.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
≥ 3500	20.4	65.3	70.2	73.0	78.8	79.3	80.4	81.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.5
≥ 3000	20.4	66.3	71.2	74.9	80.7	81.5	82.9	84.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.2
≥ 2500	20.4	68.6	73.6	76.6	82.4	83.2	84.8	86.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.4
≥ 2000	20.4	69.9	73.8	76.9	82.6	83.7	85.4	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3
≥ 1800	20.4	69.9	74.1	77.1	82.9	84.0	85.7	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.5
≥ 1500	20.4	69.4	74.7	77.7	83.7	84.8	86.2	88.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.6
≥ 1200	20.7	70.5	76.0	79.1	85.1	86.2	88.2	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.0
≥ 1000	20.7	70.8	76.6	79.6	86.0	87.3	89.3	90.9	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.1
≥ 900	20.7	71.1	76.9	79.9	86.2	87.6	89.5	91.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.7
≥ 800	20.7	71.3	77.1	80.2	86.5	87.9	89.8	91.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.9
≥ 700	20.7	71.6	77.4	81.4	86.8	88.2	90.1	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.2
≥ 600	20.7	71.6	77.4	81.3	87.6	89.0	90.9	92.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	95.0
≥ 500	20.7	71.6	77.7	81.6	88.7	90.4	92.8	94.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	97.0
≥ 400	20.7	71.6	77.7	81.8	89.3	90.9	93.4	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.5
≥ 300	20.7	71.6	78.2	82.1	89.8	91.5	93.9	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.3
≥ 200	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.2
≥ 100	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.2
≥ 0	20.7	71.9	78.2	82.4	90.1	91.7	94.5	97.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.2

TOTAL NUMBER OF OBSERVATIONS 363

AL CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

4437
STATION

FT LEONARD WOOD MO
STATION NAME

73-01
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

602-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	1.7	42.4	45.4	47.4	49.9	50.7	50.8	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	1.7	40.4	5.1	51.8	54.7	55.8	55.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 18000	1.7	45.3	5.4	52.1	55.1	55.3	55.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.7	46.8	51.4	52.1	55.1	56.3	56.4	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.7	47.1	51.4	52.6	55.7	56.9	57.0	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	1.7	47.7	51.6	53.6	56.7	57.9	58.0	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000	1.7	52.5	56.7	59.0	62.4	63.6	63.9	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	1.7	52.5	56.7	59.0	62.4	63.6	63.9	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	1.7	55.4	61.2	63.5	66.9	68.5	68.9	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	1.7	57.4	62.3	64.8	68.3	69.6	70.5	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 6000	1.7	57.4	63.2	65.9	69.5	71.2	71.9	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 5000	1.7	61.6	65.7	68.5	72.2	73.9	74.6	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	1.7	62.1	67.6	71.7	74.6	76.4	77.2	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	1.7	62.3	67.6	71.8	75.2	77.2	78.1	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	1.7	63.5	69.2	72.4	76.9	78.9	79.9	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3000	1.7	64.7	70.7	73.9	77.6	81.6	81.6	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	1.7	65.4	71.4	74.8	78.6	81.8	83.0	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	1.7	66.1	72.2	75.7	80.8	83.3	84.5	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800	1.7	66.3	72.5	76.1	81.2	83.6	84.9	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	1.7	67.3	73.5	77.0	82.7	85.2	86.6	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	1.7	67.6	74.0	77.5	83.2	85.7	87.1	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	1.7	68.1	74.4	77.9	83.9	86.8	88.2	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	1.7	68.1	74.7	78.4	84.4	87.4	88.8	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	1.7	68.3	74.8	78.5	84.6	87.7	89.1	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	1.7	68.4	75.1	78.6	85.0	88.0	89.5	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	1.7	69.2	75.6	79.4	85.8	88.9	90.4	91.2	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	1.7	69.2	75.9	79.7	86.6	89.7	91.2	92.3	93.3	94.1	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400	1.7	69.4	76.1	79.9	86.9	90.0	91.3	92.3	93.3	94.7	95.8	96.3	96.3	96.3	96.3	96.3
≥ 300	1.7	69.5	76.2	80.0	87.2	91.1	93.7	95.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0
≥ 100	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0
≥ 0	1.7	69.5	76.2	80.0	87.3	91.3	94.1	95.7	96.9	97.4	97.8	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 212

U.S. AIR FORCE
METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION NO. 45 STATION NAME LINDA WOOD

73-21

YEAR

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	1.2	44.7	44.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥20000	1.2	41.2	53.9	53.7	53.8	54.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥18000	1.2	41.6	53.8	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥16000	1.2	41.6	53.8	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥14000	1.2	51.8	54.1	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥12000	1.2	53.8	55.7	56.2	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥10000	1.2	58.8	62.7	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥9000	1.2	57.8	62.3	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥8000	1.2	63.8	66.5	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥7000	1.3	65.2	67.7	64.3	65.5	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥6000	1.3	67.2	70.3	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥5000	1.3	69.2	72.2	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥4500	1.3	72.2	73.8	73.9	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥4000	1.3	71.8	75.8	76.1	76.8	77.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥3500	1.3	73.1	77.8	77.6	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥3000	1.3	75.1	79.7	79.6	80.5	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥2500	1.3	76.5	81.7	81.7	82.5	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥2000	1.3	78.5	83.1	84.1	85.0	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥1800	1.3	78.9	83.6	84.6	85.5	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥1500	1.3	80.6	85.2	86.7	87.9	88.4	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥1200	1.3	82.3	87.3	88.5	89.7	90.2	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥1000	1.3	83.4	88.4	89.6	91.3	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥900	1.3	83.9	89.1	90.6	92.3	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥800	1.3	83.9	89.4	90.9	92.7	93.4	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥700	1.3	84.1	91.0	91.5	93.5	94.3	94.9	95.0	95.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥600	1.3	84.2	91.2	91.9	94.0	94.9	95.7	95.9	96.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥500	1.3	84.4	91.4	92.1	94.7	95.7	96.7	96.9	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥400	1.3	84.7	91.8	92.8	95.7	96.7	97.7	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥300	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥200	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥100	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥0	1.3	84.7	91.8	92.8	95.8	96.8	97.8	98.4	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 436

USAF CLIMATE BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 17 LINDSEY AFB TX
STATION NAME

73-81

YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-0-14-0

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256
NO. CEILING	2.4	39.3	4.1	41.0	42.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	2.4	44.1	42.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	2.4	44.1	42.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000	2.4	44.1	42.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000	2.4	44.1	42.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 12000	2.4	50.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000	2.4	55.2	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	2.4	55.2	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	2.4	57.2	61.1	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	2.4	61.1	62.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	2.4	62.3	64.1	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	2.4	63.4	67.4	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	2.4	66.9	69.1	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	2.4	71.8	72.9	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	2.4	74.7	76.9	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	2.4	79.3	81.4	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	2.4	82.6	84.9	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	2.4	86.0	88.5	89.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	3.1	88.3	89.5	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1600	3.1	88.3	91.1	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1400	3.1	89.6	92.7	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	3.1	91.0	92.5	94.7	95.6	95.7	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	3.1	91.7	93.3	95.1	95.8	95.9	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	3.1	92.3	93.9	95.1	96.0	96.2	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	3.1	92.3	93.9	95.1	96.0	96.2	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	3.1	92.3	93.9	95.1	96.0	96.2	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	3.1	91.0	94.1	95.0	97.4	97.7	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	3.1	91.0	94.1	95.0	97.4	97.7	98.6	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	3.1	91.0	94.1	95.8	97.4	97.7	98.6	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5
≥ 300	3.1	91.0	94.1	95.8	97.5	98.0	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	3.1	91.0	94.1	95.8	97.5	98.0	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	3.1	91.0	94.1	95.8	97.5	98.0	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	3.1	91.0	94.1	95.8	97.5	98.0	99.0	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

STATION NAME
STATION SERVICE/FAA

CEILING VERSUS VISIBILITY

STATION NAME
STATION SERVICE/FAA

YEAR

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	3.1	43.3	44.5	45.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	3.1	54.7	55.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
18000	3.1	55.0	56.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
16000	3.1	55.3	56.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
14000	3.1	55.6	56.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
12000	3.1	55.9	57.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
10000	3.1	56.2	57.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
9000	3.1	56.5	57.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
8000	4.1	56.8	57.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
7000	4.1	57.1	58.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
6000	4.1	57.4	58.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
5000	4.1	57.7	58.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
4500	4.1	58.0	59.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
4000	4.1	58.3	59.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
3500	4.1	58.6	59.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
3000	4.1	58.9	60.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2500	4.1	59.2	60.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2000	4.1	59.5	60.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
1800	4.1	59.8	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
1600	4.1	60.1	61.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
1400	4.1	60.4	61.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1200	4.1	60.7	61.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
1000	4.1	61.0	62.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
900	4.1	61.3	62.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
800	4.1	61.6	62.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
700	4.1	61.9	63.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
600	4.1	62.2	63.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
500	4.1	62.5	63.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
400	4.1	62.8	63.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
300	4.1	63.1	64.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
200	4.1	63.4	64.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
100	4.1	63.7	64.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
0	4.1	64.0	65.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3

TOTAL NUMBER OF OBSERVATIONS

AD-A110 091

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (11)

UNCLASSIFIED USAFETAC/DS-82/023

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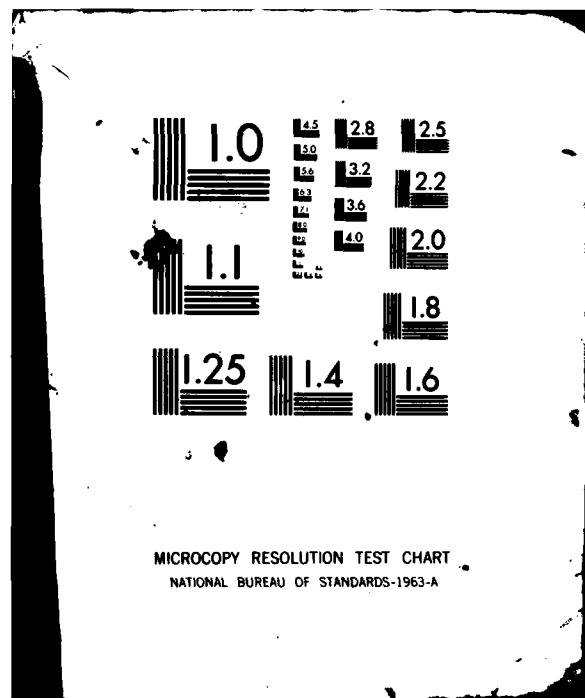
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FEDERAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MO

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING ≥ 20000	7.2	54.4	55.1	55.2	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	7.6	60.9	61.7	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	7.8	61.2	62.1	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	7.8	61.2	62.1	62.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	7.9	62.3	63.1	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 10000	7.9	63.7	64.6	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 9000	8.5	63.9	70.2	70.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 8000	8.5	63.9	70.2	70.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 7000	9.2	73.9	75.4	75.8	76.5	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000	8.4	74.7	76.2	76.6	77.3	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 5000	9.3	75.6	77.4	77.9	78.6	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	9.0	78.2	80.2	80.7	81.4	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	9.4	80.6	82.7	83.2	83.9	84.5	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	9.4	81.6	83.9	84.4	85.1	85.7	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	9.4	82.6	84.9	85.4	86.1	86.7	86.9	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	9.5	85.4	87.9	88.7	89.4	90.2	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	9.6	86.4	89.1	90.2	90.9	91.8	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	9.7	88.2	90.9	92.0	92.8	93.8	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	9.7	88.5	91.1	92.2	93.0	94.0	94.5	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	9.7	88.8	91.3	92.6	93.4	94.4	94.8	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	9.7	88.8	91.5	92.6	93.4	94.4	94.8	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	9.7	89.1	91.7	92.8	93.9	94.8	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	9.7	89.2	91.8	93.0	94.2	95.2	95.7	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	9.7	89.4	92.1	93.4	94.6	95.6	96.0	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	9.7	89.8	92.4	93.9	95.3	96.3	97.1	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	9.7	89.9	92.6	94.0	95.4	96.4	97.4	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	9.7	89.9	92.6	94.0	95.6	96.5	97.8	98.2	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	9.7	90.0	92.7	94.1	95.7	96.6	98.0	98.3	98.8	99.5	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
47 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24457 FT LEONARD WOOD MO

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	26.2	66.9	67.5	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	27.1	69.2	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	27.3	69.4	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	27.3	69.4	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	27.3	69.6	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	27.7	70.8	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	29.0	74.6	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	29.0	74.6	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	30.4	76.5	79.0	79.0	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	30.4	79.0	79.6	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	30.4	80.8	81.3	81.3	81.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	31.0	83.3	83.8	83.8	84.6	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	31.3	85.4	86.0	86.0	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	31.3	86.0	86.5	86.5	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	31.3	86.7	87.3	87.3	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	31.5	87.9	88.7	88.7	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	32.1	89.4	90.2	90.2	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	32.5	90.8	91.7	91.7	92.9	92.9	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	32.5	91.0	91.9	91.9	93.1	93.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	32.5	91.3	92.5	92.5	93.7	93.7	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 1200	32.5	91.3	92.5	92.5	93.8	93.8	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
≥ 1000	32.5	91.3	92.5	92.7	94.0	94.0	94.6	94.6	94.8	94.8	94.8	94.8	94.8	95.0	95.0	95.0
≥ 900	32.5	91.7	93.1	93.3	94.6	94.6	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 800	32.5	91.9	93.3	93.5	94.8	94.8	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8
≥ 700	32.5	91.9	93.3	93.5	95.0	95.4	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5
≥ 600	32.7	92.5	93.8	94.0	95.8	96.2	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5
≥ 500	32.7	92.9	94.2	94.4	96.3	96.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7
≥ 400	32.7	92.9	94.2	94.4	96.5	97.1	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 300	32.7	92.9	94.2	94.4	96.5	97.1	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 200	32.7	92.9	94.2	94.4	96.5	97.1	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 100	32.7	92.9	94.2	94.4	96.7	97.3	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	32.7	92.9	94.2	94.4	96.7	97.3	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	7.8	43.7	50.1	50.5	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 20000	8.3	54.6	56.6	57.0	58.1	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥ 18000	8.3	55.0	56.9	57.3	58.3	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	8.3	55.0	56.9	57.3	58.4	58.6	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 14000	8.4	55.6	57.4	57.9	59.0	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6
≥ 12000	8.4	56.6	58.5	59.0	60.1	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	8.8	61.7	63.8	64.4	65.6	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 9000	8.8	61.7	63.8	64.4	65.6	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 8000	9.1	65.7	68.1	68.8	70.1	70.5	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	9.1	66.7	69.2	69.9	71.2	71.6	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥ 6000	9.2	68.2	70.8	71.7	73.1	73.5	73.7	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1
≥ 5000	9.3	70.7	73.5	74.4	75.9	76.3	76.6	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0
≥ 4500	9.4	72.5	75.4	76.4	77.9	78.4	78.7	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
≥ 4000	9.4	74.1	77.1	78.1	79.8	80.3	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.1	81.1
≥ 3500	9.5	75.9	79.0	80.1	81.8	82.3	82.6	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3000	9.5	78.3	81.6	82.9	84.6	85.2	85.6	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 2500	9.6	80.1	83.5	84.8	86.6	87.3	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 2000	9.7	81.7	85.3	86.7	88.6	89.4	89.8	90.1	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5
≥ 1800	9.7	81.9	85.6	87.0	88.9	89.7	90.2	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9
≥ 1500	9.8	82.9	86.6	88.1	90.1	90.9	91.5	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.3
≥ 1200	9.8	83.6	87.5	88.9	91.1	91.9	92.5	92.8	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2
≥ 1000	9.8	84.2	88.1	89.7	91.9	92.8	93.5	93.8	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
≥ 900	9.8	84.4	88.5	90.0	92.4	93.4	94.0	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9
≥ 800	9.8	84.5	88.6	90.2	92.7	93.7	94.4	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3
≥ 700	9.8	84.7	88.8	90.5	93.1	94.1	94.8	95.3	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8
≥ 600	9.9	85.0	89.1	90.9	93.7	94.9	95.8	96.2	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
≥ 500	9.8	85.1	89.3	91.1	94.1	95.5	96.6	97.2	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.0
≥ 400	9.8	85.2	89.4	91.3	94.5	95.8	97.1	97.8	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.9
≥ 300	9.8	85.2	89.5	91.3	94.6	96.0	97.4	98.2	98.8	99.0	99.1	99.1	99.2	99.3	99.3	99.3
≥ 200	9.8	85.2	89.5	91.4	94.6	96.0	97.5	98.4	98.9	99.2	99.3	99.4	99.5	99.6	99.7	99.7
≥ 100	9.8	85.2	89.5	91.4	94.6	96.0	97.6	98.4	99.0	99.3	99.4	99.5	99.6	99.7	99.9	100.0
≥ 0	9.8	85.2	89.5	91.4	94.6	96.0	97.6	98.4	99.0	99.3	99.4	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5226

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104457
STATION

FT LEONARD WOOD MO
STATION NAME

73.75
WIND

1111
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	30.6	53.3	53.3	60.0	61.1	61.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	32.2	63.3	63.3	65.0	66.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	35.0	71.7	71.7	73.3	74.4	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	35.0	71.7	71.7	73.3	74.4	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 7000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 6000	36.7	82.8	82.8	84.4	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	36.7	83.3	83.3	85.6	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	37.2	85.6	86.1	87.8	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4000	37.2	86.1	86.7	88.3	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	37.2	88.9	89.4	91.1	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	37.2	89.4	90.0	92.2	94.4	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	37.2	91.7	92.2	94.4	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	37.2	91.7	92.2	94.4	97.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.2	93.3	93.9	96.1	98.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	13.3	41.2	51.2	53.0	57.6	57.6	58.5	59.1	59.4	59.4	59.7	59.7	60.0	60.0	60.0	60.3
≥ 20000	13.3	52.1	55.2	57.0	62.1	62.1	63.0	63.6	63.9	63.9	64.2	64.2	64.8	64.9	64.8	65.2
IV 18000	13.6	52.1	55.2	57.0	62.1	62.1	63.0	63.6	63.9	63.9	64.2	64.2	64.8	64.8	64.8	65.2
IV 16000	13.6	52.4	55.5	57.3	62.4	62.4	63.3	63.9	64.2	64.2	64.5	64.5	65.2	65.2	65.2	65.5
IV 14000	13.6	52.7	55.8	57.6	63.0	63.0	63.9	64.5	64.8	64.8	65.2	65.2	65.8	65.8	65.8	66.1
IV 12000	13.6	53.6	56.7	58.5	63.9	63.9	64.8	65.5	65.8	65.8	66.1	66.1	66.7	66.7	66.7	67.0
IV 10000	14.9	58.2	61.2	63.0	68.5	68.5	69.7	70.3	70.6	70.6	70.9	71.2	71.8	71.8	71.8	72.1
IV 9000	14.6	58.2	61.2	63.0	68.5	68.5	69.7	70.3	70.6	70.6	70.9	71.2	71.8	71.8	71.8	72.1
IV 8000	15.5	66.1	69.7	71.5	77.0	77.0	78.2	78.8	79.1	79.1	79.4	79.7	80.3	80.3	80.3	80.6
IV 7000	15.5	67.3	71.2	73.0	78.5	78.5	79.7	80.3	80.6	80.6	80.9	81.2	81.8	81.8	81.8	82.1
IV 6000	15.5	67.9	71.8	73.6	79.1	79.1	80.3	80.9	81.2	81.2	81.5	81.8	82.4	82.4	82.4	82.7
IV 5000	15.5	69.4	73.9	75.8	81.5	81.5	82.7	83.3	83.6	83.6	83.9	84.2	84.8	84.8	84.8	85.2
IV 4500	15.5	70.9	75.8	77.6	83.3	83.3	84.5	85.2	85.8	85.8	86.1	86.4	87.0	87.0	87.0	87.3
IV 4000	15.5	72.4	77.3	79.1	84.8	84.8	86.1	86.7	87.3	87.3	87.6	87.9	88.5	88.5	88.5	88.8
IV 3500	15.5	73.0	77.9	79.7	85.5	85.5	86.7	87.3	87.9	87.9	88.2	88.5	89.1	89.1	89.1	89.4
IV 3000	15.5	74.2	79.1	80.9	87.0	87.0	88.2	88.8	89.4	89.4	89.7	90.0	90.6	90.6	90.6	90.9
IV 2500	15.5	75.8	80.9	82.7	88.8	88.8	90.0	90.9	91.5	91.5	91.8	92.1	92.7	92.7	92.7	93.0
IV 2000	15.5	76.4	81.5	83.3	89.4	89.4	90.6	91.5	92.1	92.1	92.4	92.7	93.3	93.3	93.3	93.6
IV 1800	15.5	76.4	81.5	83.3	89.4	89.4	90.6	91.5	92.1	92.1	92.4	92.7	93.3	93.3	93.3	93.6
IV 1500	15.5	77.0	82.4	84.2	90.3	90.3	91.5	92.4	93.0	93.0	93.3	93.6	94.2	94.2	94.2	94.5
IV 1200	15.5	77.6	83.0	84.8	90.9	91.2	92.4	93.3	93.9	93.9	94.2	94.5	95.2	95.2	95.2	95.5
IV 1000	15.5	78.2	83.6	85.5	91.5	91.8	93.0	93.9	94.5	94.5	94.8	95.2	95.8	95.8	95.8	96.1
IV 900	15.5	78.5	83.9	85.8	91.8	92.1	93.3	94.2	94.8	94.8	95.2	95.5	96.1	96.1	96.1	96.4
IV 800	15.5	78.5	83.9	85.8	91.8	92.1	93.3	94.2	94.8	94.8	95.2	95.5	96.1	96.1	96.1	96.4
IV 700	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 600	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 500	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 400	15.5	79.4	85.2	87.0	93.0	93.3	94.5	95.5	96.4	96.4	96.7	97.0	97.6	97.6	97.6	97.9
IV 300	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.1	97.3	97.3	97.6	97.9	98.5	98.5	98.5	98.8
IV 200	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	99.7
IV 100	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	100.0
IV 0	15.5	79.4	85.2	87.0	93.3	93.6	94.8	96.4	97.6	97.6	98.2	98.5	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 330

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

124457 FT LEONARD J00D MO
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	1.3	45.4	48.6	50.7	52.8	53.7	54.3	54.7	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.3
≥ 20000	1.4	52.9	56.2	59.1	61.5	62.4	63.0	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.0
≥ 18000	1.4	52.9	56.2	59.1	61.5	62.4	63.0	63.4	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.0
≥ 16000	1.4	53.1	56.3	59.2	61.7	62.5	63.2	63.5	63.8	63.9	64.0	64.0	64.2	64.2	64.2	64.2
≥ 14000	1.4	53.6	56.8	59.7	62.2	63.0	63.7	64.0	64.3	64.4	64.5	64.5	64.7	64.7	64.7	64.7
≥ 12000	1.4	54.2	58.2	61.0	63.5	64.4	65.0	65.4	65.7	65.8	65.9	65.9	66.3	66.3	66.3	66.3
≥ 10000	1.4	59.1	62.7	65.5	68.0	68.9	69.5	69.9	70.2	70.3	70.4	70.4	70.8	70.8	70.8	70.9
≥ 9000	1.4	59.4	63.0	65.9	68.4	69.3	69.9	70.3	70.5	70.7	70.8	70.8	71.2	71.2	71.2	71.3
≥ 8000	1.4	63.5	67.9	70.9	73.7	74.5	75.2	75.5	75.9	76.0	76.2	76.2	76.5	76.5	76.5	76.7
≥ 7000	1.4	65.2	69.7	72.8	75.8	76.7	77.3	77.7	78.2	78.3	78.4	78.4	78.8	78.8	78.8	78.9
≥ 6000	1.4	66.7	71.2	74.3	77.3	78.2	78.8	79.2	79.7	79.8	79.9	79.9	80.3	80.3	80.3	80.4
≥ 5000	1.4	68.2	72.8	76.3	79.7	80.5	81.1	81.5	82.3	82.4	82.5	82.5	82.9	82.9	82.9	83.0
≥ 4500	1.4	68.4	73.2	76.7	80.0	80.9	81.6	82.0	82.9	83.0	83.1	83.1	83.5	83.5	83.5	83.6
≥ 4000	1.4	69.5	74.4	77.9	81.3	82.1	82.9	83.3	84.1	84.3	84.4	84.4	84.8	84.8	84.8	84.9
≥ 3500	1.4	70.7	75.5	79.4	82.9	83.8	84.5	84.9	85.8	85.9	86.0	86.0	86.4	86.4	86.4	86.5
≥ 3000	1.4	72.2	77.0	80.9	84.4	85.3	86.0	86.4	87.3	87.4	87.5	87.5	87.9	87.9	87.9	88.0
≥ 2500	1.4	73.2	78.0	81.9	85.5	86.4	87.4	87.8	88.6	88.8	88.9	88.9	89.3	89.3	89.3	89.4
≥ 2000	1.4	73.7	78.5	82.5	86.3	87.1	88.1	88.5	89.4	89.5	89.6	89.6	90.0	90.0	90.0	90.1
≥ 1800	1.4	74.2	79.3	83.0	86.8	87.6	88.6	89.0	89.9	90.0	90.1	90.1	90.5	90.5	90.5	90.6
≥ 1500	1.4	75.2	80.0	84.0	87.9	88.8	89.8	90.1	91.0	91.1	91.3	91.3	91.6	91.6	91.8	91.9
≥ 1200	1.4	75.4	80.3	84.3	88.1	89.0	90.0	90.4	91.3	91.4	91.5	91.5	91.9	91.9	92.0	92.1
≥ 1000	1.4	76.5	81.3	86.1	90.0	90.9	91.9	92.3	93.1	93.3	93.4	93.4	93.8	93.8	93.9	94.0
≥ 900	1.4	76.8	82.0	86.4	90.3	91.3	92.3	92.6	93.5	93.6	93.8	93.8	94.1	94.1	94.3	94.4
≥ 800	1.4	77.0	82.4	86.8	90.9	91.9	92.9	93.3	94.1	94.3	94.4	94.4	94.8	94.8	94.9	95.0
≥ 700	1.4	77.2	82.6	87.1	91.4	92.4	93.4	93.8	94.6	94.8	94.9	94.9	95.3	95.3	95.4	95.5
≥ 600	1.4	77.3	82.9	87.4	91.8	92.9	94.1	94.5	95.4	95.5	95.6	95.6	96.0	96.0	96.1	96.3
≥ 500	1.4	77.3	83.0	87.5	92.1	93.3	94.6	95.1	96.0	96.1	96.3	96.3	96.6	96.6	96.8	96.9
≥ 400	1.4	77.3	83.0	87.6	92.5	93.6	95.1	95.8	96.6	96.8	96.9	96.9	97.4	97.4	97.5	97.6
≥ 300	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.0	96.9	97.0	97.1	97.1	97.8	97.9	98.0	98.1
≥ 200	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.4	99.0	99.1	99.3
≥ 100	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.5	99.4	99.5	100.0
≥ 0	1.4	77.3	83.0	87.6	92.6	93.8	95.4	96.1	97.1	97.3	97.6	97.6	98.5	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥0
NO CEILING	1.0	48.1	49.9	50.2	50.7	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	1.4	56.7	58.5	58.9	59.4	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 18000	1.4	56.8	58.6	59.0	59.5	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 16000	1.4	56.8	58.6	59.0	59.5	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 14000	1.4	57.5	59.4	59.8	60.2	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	1.4	58.0	60.0	60.4	60.9	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	1.4	63.5	65.7	66.0	66.5	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 9000	1.4	63.8	66.0	66.4	66.9	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	1.4	68.5	70.9	71.4	71.9	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 7000	1.4	69.5	72.0	72.5	73.0	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	1.4	73.6	73.1	73.6	74.1	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	1.4	72.1	74.8	75.4	76.3	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	1.4	73.3	76.0	76.7	77.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	75.1
IV 4000	1.4	74.7	77.7	78.5	79.4	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	1.4	77.2	80.4	81.2	82.1	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3000	1.4	79.6	83.1	84.0	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500	1.4	80.4	84.1	84.9	86.0	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	1.4	82.1	85.9	86.9	88.0	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	1.4	82.7	86.5	87.5	88.6	89.0	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	1.4	85.2	89.3	90.6	91.9	92.2	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	1.4	87.0	91.4	93.0	94.3	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	1.4	88.0	92.3	94.3	95.9	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	1.4	88.1	92.5	94.6	96.2	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 800	1.4	88.4	92.7	94.8	96.4	96.8	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	1.4	88.8	93.1	95.2	97.0	97.4	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	1.4	88.8	93.1	95.2	97.4	97.8	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	1.4	88.8	93.1	95.2	97.7	98.0	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	1.4	88.8	93.1	95.3	97.9	98.3	99.0	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9
IV 200	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
IV 100	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0
IV 0	1.4	88.8	93.1	95.3	98.0	98.4	99.1	99.5	99.5	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO

73-81

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	2.3	50.1	50.7	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	2.6	59.3	60.0	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	2.6	59.4	60.1	60.5	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 16000	2.6	59.4	60.1	60.5	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	2.6	59.6	60.4	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	2.7	61.1	61.9	62.2	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	3.0	64.7	65.4	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	3.0	64.9	65.7	66.3	66.4	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	3.1	67.3	68.1	68.9	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	3.1	68.8	69.6	70.5	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	3.1	69.8	70.6	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	3.2	72.5	73.3	74.3	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	3.2	73.2	74.3	75.6	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	3.5	76.2	77.5	78.9	79.5	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	3.5	80.5	82.2	83.7	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	3.5	83.8	85.8	87.5	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	3.5	87.8	89.8	91.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	3.5	90.1	92.2	94.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	3.5	90.2	92.3	94.1	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	3.5	92.0	94.1	95.8	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
≥ 1200	3.5	92.7	94.8	96.7	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
≥ 1000	3.5	92.7	94.8	96.8	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 900	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 800	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
≥ 700	3.5	92.8	94.9	96.9	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.1	99.1
≥ 600	3.5	92.8	94.9	96.9	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.3
≥ 500	3.5	92.8	94.9	96.9	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.3	99.3
≥ 400	3.5	93.0	95.1	97.0	98.5	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.5	99.6
≥ 300	3.5	93.0	95.3	97.3	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.8	99.9
≥ 200	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0
≥ 100	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0
≥ 0	3.5	93.1	95.4	97.4	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	2.8	57.2	57.9	58.4	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	3.5	67.3	68.0	68.8	69.1	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	3.5	67.5	68.3	69.0	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 12000	3.5	68.1	68.9	69.6	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 10000	3.5	72.6	73.3	74.1	74.4	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	3.5	73.5	74.2	74.9	75.3	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000	3.7	77.9	78.8	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 7000	3.7	78.9	79.8	80.6	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	3.7	79.3	80.5	81.4	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000	3.7	82.6	84.4	85.4	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4500	3.7	83.2	85.4	86.7	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	3.7	84.4	87.2	88.6	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	3.7	85.9	88.9	91.4	91.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	3.7	89.3	92.5	94.4	95.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	3.7	90.2	93.5	95.7	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	3.7	91.7	94.9	97.2	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	3.7	92.0	95.2	97.4	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	3.7	92.0	95.2	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	3.7	92.0	95.2	97.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	3.7	92.1	95.3	97.5	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	3.7	92.1	95.3	97.5	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	3.7	92.2	95.4	97.7	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	3.7	92.3	95.6	97.9	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	3.7	92.3	95.6	97.9	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.7	92.3	95.6	97.9	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2300
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	4.2	60.3	61.3	62.1	63.2	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 16000	5.3	71.3	72.9	73.9	75.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	5.0	71.7	73.3	74.3	75.5	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 12000	5.0	72.3	73.9	75.0	76.1	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	5.0	75.8	77.5	78.5	79.7	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	5.0	75.9	77.6	78.6	79.8	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 8000	5.1	79.4	81.7	82.8	84.0	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 7000	5.1	79.8	82.2	83.4	84.5	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 6000	5.1	80.3	82.7	84.1	85.3	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 5000	5.1	83.0	85.3	86.8	87.9	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	5.1	84.0	86.4	87.9	89.1	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4000	5.2	86.1	88.7	90.3	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3500	5.4	87.0	90.0	91.6	92.8	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 3000	5.4	98.3	91.6	93.4	94.9	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	5.4	88.9	92.5	94.4	95.9	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	5.4	89.6	93.3	95.2	97.0	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	5.4	89.6	93.3	95.2	97.0	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	5.4	90.2	93.8	95.7	97.8	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	5.4	90.4	94.1	95.9	98.0	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	5.4	90.7	94.4	96.2	98.3	98.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	5.4	90.7	94.4	96.2	98.3	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	5.4	90.7	94.4	96.2	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 763

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77457
STATION

FT LEONARD WOOD MC
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.3	64.7	65.2	65.9	66.1	66.6	67.1	67.1	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 18000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 16000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	24.1	70.5	71.5	72.2	72.4	73.8	74.2	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 12000	24.1	71.0	71.5	72.6	72.9	74.2	74.7	74.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	25.5	75.2	76.3	77.0	77.5	78.9	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	25.5	75.2	76.3	77.0	77.5	78.9	79.4	79.4	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	26.5	79.6	80.7	81.4	82.1	83.8	84.2	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 7000	26.5	79.8	81.3	81.7	82.4	84.0	84.5	84.5	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	26.7	81.0	82.4	83.3	84.0	85.6	86.1	86.1	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	27.6	84.2	86.3	87.2	87.9	89.6	90.0	90.0	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	27.8	84.7	86.8	87.7	88.4	90.0	90.5	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	27.8	85.2	87.2	88.4	89.1	90.7	91.2	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3500	28.1	86.1	88.2	89.3	90.0	91.6	92.1	92.1	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3000	28.5	87.0	89.1	90.3	91.0	92.6	93.0	93.0	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	29.5	88.9	91.0	92.1	92.5	94.4	94.9	94.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	29.7	90.3	92.3	93.5	94.2	95.8	96.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	29.7	90.3	92.3	93.5	94.2	95.8	96.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	29.7	90.7	93.3	94.4	95.1	96.8	97.2	97.4	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	29.7	91.2	93.7	94.9	95.6	97.2	97.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	29.7	91.6	94.2	95.4	96.1	97.7	98.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	29.7	91.6	94.2	95.4	96.1	97.7	98.1	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	29.7	91.6	94.2	95.4	96.1	97.9	98.6	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	29.7	91.6	94.2	95.6	96.3	98.1	98.8	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 431

ARMED CLIMATOLOGY BRANCH
AFAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

July

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.7	53.2	54.5	55.5	56.5	56.8	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6
≥ 20000	6.4	61.6	63.2	64.4	65.5	65.9	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥ 18000	6.4	61.7	63.3	64.4	65.6	65.9	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7
≥ 16000	6.4	61.7	63.3	64.4	65.6	66.0	66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8
≥ 14000	6.4	62.1	63.7	64.8	66.0	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2
≥ 12000	6.4	62.9	64.5	65.7	66.8	67.2	67.7	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.1
≥ 10000	6.5	67.3	69.1	70.2	71.4	71.8	72.3	72.4	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.7
≥ 9000	6.5	67.6	69.4	70.6	71.8	72.1	72.6	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
≥ 8000	7.0	72.1	74.1	75.4	76.6	77.0	77.5	77.6	77.8	77.8	77.8	77.8	77.9	78.0	78.0	78.0
≥ 7000	7.0	73.0	75.2	76.5	77.8	78.2	78.7	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1	79.2
≥ 6000	7.1	73.9	76.1	77.5	78.8	79.2	79.7	79.8	80.0	80.0	80.0	80.0	80.1	80.2	80.2	80.2
≥ 5000	7.2	76.2	78.7	80.2	81.8	82.2	82.7	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.2
≥ 4500	7.2	77.1	79.7	81.3	82.9	83.3	83.8	83.9	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.4
≥ 4000	7.3	78.6	81.5	83.2	84.8	85.2	85.8	85.9	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3
≥ 3500	7.3	81.5	83.6	85.4	87.1	87.5	88.0	88.1	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.6
≥ 3000	7.3	82.7	85.9	87.9	89.7	90.1	90.6	90.7	91.0	91.0	91.0	91.1	91.2	91.2	91.2	91.2
≥ 2500	7.4	84.2	87.6	89.6	91.5	91.9	92.5	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.1
≥ 2000	7.4	85.5	88.9	90.9	92.9	93.5	94.0	94.2	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.7
≥ 1800	7.4	85.7	89.1	91.2	93.2	93.7	94.3	94.4	94.7	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1500	7.4	86.7	90.2	92.3	94.5	95.1	95.6	95.8	96.0	96.1	96.1	96.2	96.3	96.3	96.3	96.4
≥ 1200	7.4	87.3	90.9	93.0	95.2	95.7	96.4	96.6	96.8	96.8	96.9	96.9	97.0	97.0	97.0	97.1
≥ 1000	7.4	87.8	91.4	93.7	95.9	96.5	97.1	97.3	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.9
≥ 900	7.4	87.9	91.5	93.8	96.1	96.6	97.3	97.5	97.7	97.8	97.8	97.8	97.9	98.0	98.0	98.0
≥ 800	7.4	88.0	91.6	94.0	96.2	96.8	97.5	97.7	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.3
≥ 700	7.4	88.2	91.9	94.2	96.6	97.2	97.9	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6
≥ 600	7.4	88.2	91.9	94.3	96.7	97.3	98.1	98.3	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9
≥ 500	7.4	88.2	92.0	94.3	96.8	97.4	98.2	98.5	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.0
≥ 400	7.4	88.3	92.0	94.4	96.9	97.5	98.4	98.7	98.9	99.0	99.1	99.1	99.2	99.2	99.3	99.4
≥ 300	7.4	88.3	92.0	94.4	97.1	97.7	98.5	98.8	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.6
≥ 200	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.3	99.4	99.4	99.6	99.6	99.9
≥ 100	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.4	99.4	99.6	99.6	99.9	100.0
≥ 0	7.4	88.3	92.0	94.5	97.1	97.7	98.5	98.9	99.2	99.3	99.4	99.4	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4935

7
FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

00457 STATION 17 LEONARD WOOD MC

73.75

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	30.6	71.8	74.1	78.2	78.2	30.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 20000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 18000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 16000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 14000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 12000	30.6	74.7	77.1	81.2	81.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 10000	34.1	82.4	84.7	88.8	88.8	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 9000	34.1	82.4	84.7	88.8	88.8	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 8000	34.1	84.7	87.1	91.2	91.2	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 7000	34.1	85.3	87.6	91.8	91.8	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 5000	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4500	34.1	86.5	88.8	92.9	92.9	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4000	34.1	87.6	90.0	94.1	94.1	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 3500	34.1	88.2	90.6	94.7	94.7	97.1	97.6	97.6	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 2500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 300	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 200	34.1	89.4	91.8	95.9	95.9	96.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 100	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0
IV 0	34.1	89.4	91.8	95.9	95.9	98.2	98.8	98.8	98.8	98.8	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 170

CLIMATE CLIMATOLOGY BRANCH
ETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0600
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	10.2	47.3	57.9	55.4	61.1	63.8	67.1	68.9	69.2	69.5	69.8	69.8	70.4	70.4	70.4	71.0
≥ 20000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 18000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 16000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 14000	10.5	51.2	56.0	60.8	66.8	69.5	72.8	74.6	74.9	75.1	75.4	75.4	76.0	76.0	76.0	76.6
≥ 12000	10.5	51.8	56.6	61.4	67.4	70.1	73.4	75.1	75.4	75.7	76.0	76.0	76.6	76.6	76.6	77.2
≥ 10000	11.4	56.6	62.0	66.8	72.8	75.4	78.7	80.5	80.8	81.1	81.4	81.4	82.0	82.0	82.0	82.6
≥ 9000	11.4	57.2	62.6	67.4	73.4	76.0	79.3	81.1	81.4	81.7	82.0	82.0	82.6	82.6	82.6	83.2
≥ 8000	11.4	61.7	67.1	71.9	77.8	80.5	83.8	85.6	85.9	86.2	86.5	86.5	87.1	87.1	87.1	87.7
≥ 7000	11.4	62.0	67.4	72.2	78.1	80.8	84.1	85.9	86.2	86.5	86.8	86.8	87.4	87.4	87.4	88.0
≥ 6000	11.4	62.3	67.7	72.5	78.4	81.1	84.4	86.2	86.5	86.8	87.1	87.1	87.7	87.7	87.7	88.3
≥ 5000	11.4	63.5	69.2	74.0	79.9	82.6	85.9	87.7	88.0	88.3	88.6	88.6	89.2	89.2	89.2	89.8
≥ 4500	11.4	64.4	70.1	74.9	81.1	83.8	87.1	88.9	89.2	89.5	89.8	89.8	90.4	90.4	90.4	91.0
≥ 4000	11.4	65.6	71.6	76.3	82.6	85.3	88.6	90.4	90.7	91.0	91.3	91.3	91.9	91.9	91.9	92.5
≥ 3500	11.4	66.5	72.5	77.2	83.5	86.2	89.5	91.3	91.6	91.9	92.2	92.2	92.8	92.8	93.1	93.7
≥ 3000	11.4	67.4	73.4	78.1	84.4	87.1	90.7	92.8	93.1	93.4	93.7	93.7	94.3	94.3	94.6	95.2
≥ 2500	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.0	94.3	94.6	94.9	94.9	95.5	95.5	95.8	96.4
≥ 2000	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1800	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1500	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
≥ 1200	11.4	68.0	74.0	78.7	85.0	88.0	91.6	94.3	94.9	95.2	95.5	95.5	96.1	96.1	96.4	97.0
≥ 1000	11.4	68.3	74.3	79.0	85.3	88.3	91.9	94.6	95.2	95.5	95.8	95.8	96.4	96.4	96.7	97.3
≥ 900	11.4	68.3	74.3	79.0	85.3	88.3	91.9	94.6	95.2	95.5	95.8	95.8	96.4	96.4	97.0	97.6
≥ 800	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.1	96.1	96.7	96.7	97.3	97.9
≥ 700	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.1	96.1	96.7	96.7	97.3	97.9
≥ 600	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.4	96.4	97.0	97.0	97.6	98.2
≥ 500	11.4	68.3	74.3	79.0	85.6	88.6	92.2	94.9	95.5	95.8	96.4	96.4	97.0	97.0	97.6	98.2
≥ 400	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.1	96.7	96.7	97.3	97.3	97.9	98.8
≥ 300	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.6	98.2	99.4
≥ 200	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.6	98.2	99.4
≥ 100	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.9	98.5	100.0
≥ 0	11.4	68.3	74.3	79.0	85.6	88.6	92.5	95.2	95.8	96.4	97.0	97.0	97.6	97.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 334

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
14457

STATION NAME
PT LEONARD WOOD MO

73-61

YEARS

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800
LOCAL TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		47.3	52.2	56.4	60.5	61.9	62.7	63.3	63.9	64.0	64.2	64.4	64.5	64.5	64.7	64.8
≥ 20000		51.9	56.2	60.4	64.7	66.3	67.3	67.9	68.5	68.7	69.0	69.1	69.2	69.2	69.5	69.6
IV 18000		51.0	56.4	60.5	64.8	66.4	67.4	68.0	68.6	68.8	69.1	69.2	69.3	69.3	69.6	69.7
IV 16000		51.0	56.4	60.5	64.8	66.4	67.4	68.0	68.6	68.8	69.1	69.2	69.3	69.3	69.6	69.7
IV 14000		51.3	56.6	60.7	65.1	66.7	67.6	68.2	68.8	69.1	69.3	69.5	69.6	69.6	69.8	69.9
IV 12000		52.1	57.6	61.7	66.1	67.8	68.7	69.3	69.9	70.2	70.4	70.5	70.7	70.7	70.9	71.0
IV 10000		55.4	61.6	66.3	70.7	72.4	73.3	74.1	74.7	74.9	75.2	75.3	75.4	75.4	75.6	75.8
IV 9000		55.5	61.7	66.4	70.8	72.5	73.5	74.2	74.8	75.0	75.3	75.4	75.5	75.5	75.8	75.9
IV 8000		60.1	66.7	71.4	75.9	77.6	78.5	79.3	79.9	80.1	80.4	80.5	80.6	80.6	80.8	81.0
IV 7000		61.6	68.2	73.0	77.6	79.3	80.2	81.0	81.7	82.1	82.3	82.4	82.5	82.5	82.8	82.9
IV 6000		61.9	68.6	73.3	78.1	79.8	80.7	81.5	82.2	82.5	82.8	82.9	83.0	83.0	83.3	83.4
IV 5000		62.4	69.3	74.2	78.9	80.7	81.8	82.5	83.3	83.6	83.9	84.0	84.1	84.1	84.4	84.5
IV 4500		63.6	70.5	75.5	80.4	82.2	83.3	84.0	84.7	85.1	85.3	85.5	85.6	85.6	85.8	85.9
IV 4000		65.0	72.1	77.2	82.1	83.9	85.0	85.7	86.4	86.8	87.0	87.2	87.3	87.3	87.5	87.6
IV 3500		65.9	73.3	78.4	83.4	85.2	86.3	87.0	87.8	88.1	88.4	88.5	88.6	88.6	88.8	89.0
IV 3000		67.3	74.7	79.8	85.2	87.3	88.5	89.5	90.2	90.5	90.8	90.9	91.2	91.2	91.4	91.5
IV 2500		67.5	74.9	80.0	85.5	87.6	89.0	90.2	90.9	91.3	91.5	91.6	91.9	91.9	92.1	92.2
IV 2000		67.5	74.9	80.1	85.8	88.0	89.3	90.7	91.4	91.8	92.0	92.1	92.4	92.4	92.6	92.7
IV 1800		67.5	74.9	80.1	85.8	88.0	89.3	90.7	91.4	91.8	92.0	92.1	92.4	92.4	92.6	92.7
IV 1500		67.8	75.3	80.6	86.3	88.5	89.8	91.2	91.9	92.2	92.5	92.6	92.8	92.8	93.1	93.2
IV 1200		67.9	75.4	80.7	86.4	88.6	89.9	91.3	92.0	92.4	92.6	92.7	93.0	93.0	93.2	93.3
IV 1000		68.4	75.9	81.2	87.3	89.5	90.9	92.2	93.0	93.3	93.6	93.7	93.9	93.9	94.2	94.3
IV 900		68.5	76.0	81.3	87.4	89.6	91.0	92.4	93.1	93.6	93.9	94.1	94.3	94.3	94.5	94.7
IV 800		68.6	76.1	81.5	87.6	89.8	91.5	92.8	93.6	94.1	94.4	94.5	94.8	94.8	95.0	95.2
IV 700		68.7	76.4	81.7	87.9	90.1	91.8	93.2	93.9	94.4	94.8	94.9	95.2	95.2	95.4	95.5
IV 600		68.7	76.4	81.7	87.9	90.1	92.0	93.5	94.2	94.7	95.0	95.2	95.4	95.4	95.6	95.8
IV 500		68.7	76.4	81.7	88.0	90.2	92.4	93.8	94.8	95.3	95.6	95.8	96.0	96.0	96.2	96.5
IV 400		68.7	76.4	81.7	88.0	90.2	92.5	93.9	95.2	95.8	96.2	96.4	96.6	96.6	96.8	97.1
IV 300		68.7	76.4	81.9	88.2	90.5	93.3	94.8	96.0	96.7	97.2	97.6	97.8	97.8	98.2	98.5
IV 200		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	98.9	99.4
IV 100		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	99.0	99.8
IV 0		68.7	76.4	81.9	88.2	90.5	93.6	95.0	96.2	97.1	97.6	97.9	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 825

FEDERAL CLIMATOLOGY BRANCH
AFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING		58.5	61.4	64.3	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 20000		64.3	67.5	70.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 18000		64.3	67.5	70.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 16000		64.4	67.6	70.9	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 14000		55.1	68.3	71.6	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000		66.2	69.4	72.7	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 10000		63.0	71.2	74.7	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000		66.2	71.5	74.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000		71.6	75.1	78.9	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000		72.4	75.9	80.0	81.9	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		73.4	76.9	80.9	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		74.1	77.8	82.0	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500		74.5	79.2	82.4	84.3	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000		77.3	81.5	86.0	87.9	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500		73.4	82.7	87.2	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000		80.0	85.0	89.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		80.6	85.7	90.4	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000		81.1	86.3	91.0	93.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		81.3	86.6	91.2	93.5	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500		81.7	87.1	92.0	94.5	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200		82.5	87.9	92.9	95.6	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000		82.6	88.1	93.2	95.8	96.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		82.6	88.1	93.2	95.9	96.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		82.9	88.2	93.4	96.2	96.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		82.9	88.2	93.4	96.3	96.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		82.9	88.2	93.4	96.3	96.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		82.9	88.2	93.4	96.4	97.0	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		82.9	88.2	93.6	96.9	97.5	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		82.9	88.2	93.6	96.9	97.5	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		82.9	88.2	93.6	97.0	97.6	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 634

CLIMATE CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457
STATION

FT. LEONARD WOOD MC
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		51.4	52.4	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 16000		59.2	61.5	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000		59.8	62.1	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000		61.6	64.0	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000		63.8	66.2	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000		64.0	66.4	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000		67.2	69.7	70.4	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000		63.4	71.0	71.9	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000		69.3	72.0	72.8	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000		71.3	74.1	74.9	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 4500		73.1	76.1	77.3	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	.1	77.1	81.6	82.1	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	.2	81.3	84.8	86.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	.2	85.9	89.6	91.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	.2	87.4	91.7	92.6	93.8	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	.2	88.1	92.4	94.3	95.5	96.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	.2	88.2	92.5	94.4	95.6	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	.2	88.5	92.7	94.8	96.1	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	.2	86.7	93.0	95.2	96.5	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1000	.2	85.7	93.1	95.4	97.0	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	.2	88.8	93.3	95.6	97.2	97.8	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	.2	89.1	93.7	96.0	97.7	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	.2	89.1	93.9	96.2	97.9	98.5	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	.2	89.2	94.1	96.5	98.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	.2	89.2	94.1	96.5	98.2	98.8	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	.2	89.3	94.2	96.6	98.4	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 825

RESEARCH CLIMATOLOGY BRANCH
AFETAC

WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING		54.1	56.6	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 16000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 14000		66.1	69.7	70.3	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 12000		67.0	69.9	71.3	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000		70.9	73.8	75.2	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000		70.9	73.8	75.2	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000		73.7	76.7	78.1	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 7000		74.8	77.9	79.3	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000		75.7	79.1	80.9	81.5	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		77.4	81.0	82.9	83.6	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500		73.7	82.4	84.2	84.9	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	.1	81.2	84.8	86.8	87.8	87.9	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	.1	84.2	87.8	90.7	91.7	91.8	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3000	.1	87.3	91.1	94.0	95.0	95.2	95.4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	.1	87.8	91.5	94.4	95.5	95.7	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	.1	83.5	92.8	95.8	97.1	97.2	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	.1	88.8	92.9	95.9	97.3	97.6	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	.1	88.9	93.1	96.1	97.6	97.8	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	.1	89.6	93.8	96.9	98.3	98.6	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	.1	89.7	94.1	97.1	98.6	98.8	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LONARD WOOD MC
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	1.6	61.2	64.1	65.8	67.3	67.5	67.7	67.7	67.9	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 18000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 16000	1.7	69.9	73.1	75.2	76.9	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 14000	1.7	73.3	73.3	75.4	77.0	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IN 12000	1.9	70.6	74.0	76.1	77.7	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IN 10000	2.3	73.1	76.6	78.7	80.6	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IN 9000	2.3	73.3	76.7	78.9	80.7	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IN 8000	2.2	77.4	81.0	83.3	85.3	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IN 7000	2.2	70.9	82.5	84.8	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IN 6000	2.2	80.0	83.8	86.3	88.3	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IN 5000	2.5	81.1	85.0	87.4	89.4	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 4500	2.5	81.5	85.6	88.1	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IN 4000	2.5	82.5	86.7	89.6	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 3500	2.5	83.3	87.6	90.4	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IN 3000	2.5	85.2	89.4	92.3	94.3	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 2500	2.5	85.8	91.0	92.9	94.9	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IN 2000	2.7	87.2	91.4	94.3	96.3	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1800	2.7	87.2	91.4	94.3	96.3	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IN 1500	2.7	87.3	91.5	94.5	96.5	96.8	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IN 1200	2.7	87.7	91.9	95.0	97.0	97.3	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IN 1000	2.7	87.9	92.4	95.5	97.5	97.9	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN 900	2.7	88.1	92.5	95.8	97.8	98.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 800	2.7	88.4	92.9	96.1	98.1	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IN 700	2.9	88.6	93.0	96.3	98.4	98.8	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IN 600	2.9	88.6	93.0	96.4	98.5	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 500	2.9	88.6	93.0	96.4	98.5	98.9	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IN 400	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 300	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 200	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 100	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IN 0	2.9	88.6	93.0	96.4	98.5	98.9	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 804

CENTRAL CLIMATOLOGY BRANCH
WAFB
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

441
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	22.0	69.7	69.7	71.3	73.1	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	23.0	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 18000	23.9	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 16000	23.8	75.8	75.8	77.4	79.1	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 14000	24.2	76.2	76.2	77.8	79.6	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 12000	24.9	77.4	77.4	78.9	80.7	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 10000	25.3	79.8	79.8	81.4	83.2	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	25.3	79.8	79.8	81.4	83.2	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	26.7	83.0	83.0	84.5	86.3	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	26.7	83.6	83.6	85.4	87.2	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 6000	26.7	83.9	83.9	85.7	87.4	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 5000	27.1	85.4	85.4	87.2	89.0	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4500	27.1	86.3	86.3	88.1	89.9	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	27.6	88.3	88.3	90.1	91.9	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3500	27.6	88.6	88.6	90.4	92.2	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	27.8	90.8	91.0	92.8	94.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	27.8	90.6	91.0	92.8	94.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	28.3	91.9	92.2	93.9	95.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	28.5	92.6	92.8	94.8	96.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	28.5	92.6	92.8	95.1	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	28.5	92.6	92.8	95.3	97.3	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	28.5	92.6	92.8	95.3	97.3	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	28.5	92.6	93.0	95.5	97.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 446

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
4TH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	3.9	5.9	58.8	60.8	62.6	63.2	63.6	63.8	64.0	64.0	64.1	64.1	64.2	64.2	64.2	64.3
≥20000	4.1	6.2	66.1	68.6	70.5	71.2	71.6	71.8	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.3
≥18000	4.1	63.0	66.1	68.6	70.5	71.2	71.6	71.9	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3
≥16000	4.1	63.0	66.1	68.6	70.5	71.2	71.7	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3
≥14000	4.1	63.3	66.5	68.9	70.8	71.5	72.0	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.6	72.6
≥12000	4.2	64.3	67.5	70.0	71.9	72.6	73.1	73.3	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7
≥10000	4.4	67.3	70.7	73.3	75.3	76.0	76.5	76.7	76.9	76.9	77.0	77.0	77.1	77.1	77.1	77.2
≥9000	4.4	67.5	70.9	73.5	75.5	76.2	76.6	76.9	77.0	77.1	77.1	77.2	77.2	77.2	77.3	77.3
≥8000	4.5	71.0	74.6	77.3	79.4	80.1	80.6	80.8	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3
≥7000	4.6	72.1	75.7	78.5	80.7	81.4	81.9	82.1	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6
≥6000	4.6	72.9	76.6	79.5	81.6	82.4	82.9	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.6	83.6
≥5000	4.7	74.1	78.0	80.9	83.0	83.8	84.3	84.5	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.1
≥4500	4.7	75.1	79.0	82.0	84.2	85.0	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.2	86.2
≥4000	4.8	77.3	81.4	84.6	86.9	87.6	88.2	88.4	88.6	88.7	88.8	88.8	88.9	88.9	88.9	89.0
≥3500	4.8	79.0	83.2	86.6	88.9	89.7	90.3	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.1
≥3000	4.8	81.3	85.7	89.1	91.6	92.4	93.1	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.9	94.0
≥2500	4.8	81.9	86.4	89.8	92.3	93.2	93.8	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8
≥2000	4.9	82.6	87.2	90.7	93.3	94.3	94.9	95.4	95.7	95.7	95.8	95.8	95.9	95.9	96.0	96.0
≥1800	4.9	82.7	87.3	90.8	93.4	94.4	95.1	95.6	95.8	95.9	96.0	96.0	96.1	96.1	96.1	96.2
≥1500	4.9	82.8	87.5	91.1	93.8	94.8	95.6	96.2	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.8
≥1200	4.9	83.2	87.9	91.5	94.2	95.2	96.1	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.2	97.3
≥1000	4.9	83.4	88.1	91.8	94.6	95.7	96.6	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.8
≥900	4.9	83.5	88.2	91.9	94.7	95.8	96.7	97.3	97.5	97.6	97.7	97.7	97.8	97.8	97.9	98.0
≥800	4.9	83.7	88.5	92.2	95.1	96.1	97.1	97.6	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3
≥700	4.9	83.7	88.6	92.3	95.2	96.2	97.2	97.8	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5
≥600	4.9	83.7	88.6	92.4	95.3	96.3	97.4	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.8
≥500	4.9	83.7	88.6	92.4	95.4	96.4	97.5	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.9	99.0
≥400	4.9	83.8	88.6	92.5	95.5	96.5	97.7	98.4	98.7	98.8	99.0	99.0	99.1	99.1	99.2	99.3
≥300	4.9	83.8	88.6	92.5	95.5	96.6	97.9	98.5	98.9	99.1	99.2	99.2	99.4	99.4	99.5	99.7
≥200	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	99.8
≥100	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	99.9
≥0	4.9	83.8	88.6	92.5	95.6	96.6	97.9	98.6	98.9	99.1	99.3	99.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5066

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14457
STATION

FT LEONARD WOOD MC
STATION NAME

73-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.4	≥.3	≥.25	≥.20
NO CEILING	18.8	72.6	75.8	75.8	75.8	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.9
≥ 20000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 18000	19.4	75.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 16000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 14000	19.4	78.5	81.7	82.3	82.3	82.3	82.8	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.9
≥ 12000	19.4	79.6	82.6	83.3	83.3	83.3	83.9	84.9	84.9	85.5	85.5	85.5	85.5	85.5	86.0	86.5
≥ 10000	19.9	83.9	87.1	87.6	87.6	87.6	88.2	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.9	90.9
≥ 9000	19.9	83.9	87.1	87.6	87.6	87.6	88.2	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.9	90.9
≥ 8000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 7000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 6000	19.9	86.0	89.2	89.8	89.8	89.8	90.3	91.9	91.9	92.5	92.5	92.5	92.5	92.5	93.0	93.0
≥ 5000	20.4	86.6	89.8	90.3	90.3	90.3	90.9	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.5	93.5
≥ 4500	20.4	86.6	89.8	90.3	90.3	90.3	90.9	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.5	93.5
≥ 4000	20.4	88.2	91.4	93.0	93.0	93.0	93.5	95.2	95.2	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 3500	20.4	88.2	91.4	93.0	93.0	93.0	93.5	95.2	95.2	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 3000	20.4	88.2	91.4	93.0	93.0	93.0	93.5	95.2	95.2	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 2500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 2000	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1800	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1200	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 1000	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 900	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 800	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 700	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 600	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 500	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 400	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 300	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 200	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 100	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4
≥ 0	20.4	88.7	92.5	94.6	95.2	95.2	95.7	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 186

SEVERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14457 FT LEONARD WOOD MO

73-79

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	8.5	55.7	61.6	63.6	66.9	68.3	69.8	70.4	70.4	70.7	70.7	70.7	70.7	70.7	71.0	71.6
≥ 20000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 18000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 16000	9.4	57.8	63.6	66.0	69.2	70.7	72.4	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.6	74.2
IV 14000	9.4	58.1	63.9	66.3	69.5	71.0	72.7	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.9	74.5
IV 12000	9.4	58.5	65.7	68.0	71.3	72.7	74.5	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.7	76.2
IV 10000	9.7	63.0	69.2	71.6	75.1	76.8	78.6	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.8	80.4
IV 9000	9.7	63.0	69.2	71.6	75.1	76.8	78.6	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.8	80.4
IV 8000	10.0	66.0	72.1	75.1	78.9	80.6	82.7	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.9	84.5
IV 7000	10.0	66.3	72.4	75.4	79.2	80.9	83.0	83.6	83.6	83.9	83.9	83.9	83.9	83.9	84.2	84.8
IV 6000	10.0	67.2	73.3	76.2	80.1	81.8	83.9	84.5	84.5	84.8	84.8	84.8	84.8	84.8	85.0	85.6
IV 5000	10.3	66.0	74.2	77.1	80.9	82.7	84.8	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.9	86.5
IV 4500	10.3	68.3	74.8	77.7	81.5	83.3	85.3	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.5	87.1
IV 4000	10.3	69.2	75.7	78.9	82.7	84.5	86.5	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.7	88.3
IV 3500	10.3	70.1	76.5	79.8	83.6	85.3	87.4	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.6	89.1
IV 3000	10.3	71.0	77.4	80.6	84.5	86.2	88.3	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.4	90.0
IV 2500	10.3	71.8	78.3	81.8	85.6	87.4	89.4	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.6	91.2
IV 2000	10.3	73.0	79.5	83.0	87.1	88.9	90.9	91.5	91.5	91.8	91.8	91.8	91.8	91.8	92.1	92.7
IV 1800	10.3	73.3	79.8	83.3	87.4	89.1	91.2	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.4	93.0
IV 1500	10.3	74.2	80.6	84.2	88.3	90.0	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.3	93.8
IV 1200	10.3	74.2	80.6	84.2	88.3	90.0	92.1	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.3	93.8
IV 1000	10.3	74.5	80.9	84.5	88.6	90.3	92.4	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.5	94.1
IV 900	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.8	94.4
IV 800	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 700	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 600	10.3	74.8	81.2	84.8	88.9	90.6	92.7	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.1	94.7
IV 500	10.3	74.8	81.2	84.8	89.1	90.9	93.0	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.4	95.0
IV 400	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.6	96.2
IV 300	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.2	97.7
IV 200	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9
IV 100	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9
IV 0	10.3	75.4	81.8	85.3	90.0	91.8	93.8	94.7	95.0	95.9	95.9	95.9	95.9	95.9	96.5	97.9

TOTAL NUMBER OF OBSERVATIONS 341

CENTRAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
124457

STATION NAME
FT LEONARD WOOD MO

73-81

YEARS

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

627-2000
OBS.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥0
NO CEILING	.5	37.1	45.1	50.8	56.1	57.6	59.3	60.1	60.3	60.3	60.6	60.6	60.7	60.8	61.2	61.4
IV 20000	.5	41.6	50.2	56.3	61.9	63.6	65.3	66.1	66.4	66.5	66.7	66.7	66.9	67.0	67.5	67.7
IV 18000	.5	41.7	50.3	56.5	62.0	63.7	65.4	66.3	66.5	66.6	66.9	66.9	67.0	67.1	67.6	67.8
IV 16000	.5	41.7	50.3	56.5	62.0	63.7	65.4	66.3	66.5	66.6	66.9	66.9	67.0	67.1	67.6	67.8
IV 14000	.5	42.1	50.7	56.8	62.4	64.1	65.8	66.6	66.9	67.0	67.2	67.2	67.4	67.5	68.0	68.2
IV 12000	.5	43.0	51.9	58.0	63.6	65.3	67.0	67.8	68.1	68.2	69.4	68.4	68.6	68.7	69.2	69.4
IV 10000	.5	46.8	56.1	62.6	68.7	70.4	72.2	73.0	73.3	73.4	73.6	73.6	73.8	73.9	74.4	74.6
IV 9000	.5	46.9	56.2	62.8	68.9	70.6	72.4	73.3	73.5	73.6	73.9	73.9	74.0	74.1	74.6	74.8
IV 8000	.5	49.1	58.4	65.7	72.3	74.1	76.2	77.3	77.5	77.8	78.1	78.1	78.4	78.5	79.0	79.2
IV 7000	.5	50.4	60.1	67.4	74.2	76.1	78.1	79.2	79.4	79.8	80.2	80.2	80.4	80.5	81.0	81.3
IV 6000	.5	51.4	61.3	68.6	75.7	77.5	79.6	80.7	80.9	81.3	81.6	81.6	81.9	82.0	82.5	82.7
IV 5000	.5	52.5	62.8	70.1	77.5	79.3	81.4	82.5	82.7	83.1	83.4	83.4	83.7	83.8	84.3	84.5
IV 4500	.5	53.3	63.7	71.1	79.0	80.3	82.8	83.9	84.2	84.5	84.9	84.9	85.1	85.2	85.7	86.0
IV 4000	.5	54.7	65.1	72.6	80.5	82.5	84.5	85.6	85.9	86.2	86.6	86.6	86.8	86.9	87.4	87.7
IV 3500	.5	54.8	65.2	72.7	80.8	82.7	84.8	85.9	86.1	86.5	86.8	86.8	87.1	87.2	87.7	87.9
IV 3000	.5	55.6	66.5	74.1	82.5	84.4	86.5	87.5	87.8	88.1	88.5	88.5	88.8	88.9	89.4	89.6
IV 2500	.5	56.2	67.1	74.8	83.3	85.2	87.3	88.4	88.6	89.0	89.4	89.4	89.6	89.7	90.2	90.4
IV 2000	.5	57.1	68.0	75.7	84.2	86.1	88.1	89.2	89.5	90.0	90.3	90.3	90.6	90.7	91.2	91.4
IV 1800	.5	57.1	68.0	75.7	84.3	86.2	88.3	89.4	89.6	90.1	90.4	90.4	90.7	90.8	91.3	91.5
IV 1500	.5	57.2	68.2	75.9	84.6	86.7	88.8	89.8	90.1	90.6	90.9	90.9	91.2	91.3	91.8	92.0
IV 1200	.5	57.2	68.3	76.1	84.9	86.9	89.0	90.2	90.4	90.9	91.3	91.3	91.5	91.7	92.1	92.4
IV 1000	.5	57.4	68.6	76.4	85.4	87.4	89.5	90.7	90.9	91.4	91.8	91.8	92.0	92.1	92.6	92.9
IV 900	.5	57.6	68.7	76.5	85.5	87.7	89.8	91.1	91.3	91.8	92.1	92.1	92.4	92.5	93.0	93.2
IV 800	.5	57.9	69.2	77.0	86.1	88.3	90.6	91.8	92.1	92.6	93.0	93.0	93.2	93.3	93.8	94.1
IV 700	.5	58.2	69.4	77.3	86.5	88.8	91.1	92.3	92.6	93.1	93.5	93.5	93.7	93.8	94.3	94.6
IV 600	.5	58.3	69.6	77.5	86.7	89.1	91.5	92.7	93.1	93.6	94.0	94.0	94.2	94.3	94.8	95.0
IV 500	.5	58.3	69.8	77.6	86.8	89.4	91.9	93.1	93.6	94.1	94.4	94.4	94.7	94.8	95.3	95.6
IV 400	.5	58.3	69.8	77.6	87.2	89.7	92.3	93.6	94.6	95.0	95.4	95.4	95.6	95.8	96.6	97.1
IV 300	.5	58.3	69.8	77.8	87.4	90.1	92.6	94.1	95.3	95.9	96.4	96.4	96.9	97.1	98.1	98.7
IV 200	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.0	99.6
IV 100	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.2	100.0
IV 0	.5	58.3	69.8	77.9	87.5	90.2	92.7	94.2	95.4	96.0	96.6	96.6	97.5	97.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 627

7] JET CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10457 FT LEONARD WOOD MO
 STATION

73-81

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2942-110
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	51.1	55.7	57.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	57.3	62.6	64.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	57.4	62.7	64.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 16000	57.5	62.8	64.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	58.4	63.6	65.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000	59.2	64.5	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	62.9	67.7	71.4	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	53.2	60.1	71.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	64.7	71.7	73.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 7000	65.4	72.7	75.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	66.7	73.1	75.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	66.1	74.6	77.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	69.1	75.7	78.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	71.9	78.3	82.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	72.5	79.4	82.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	1.1	76.0	82.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	1.1	76.7	83.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	1.1	77.5	84.6	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	1.1	77.5	84.6	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	1.1	78.6	85.8	89.8	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	1.1	78.2	86.4	90.4	93.7	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	1.2	80.5	87.8	92.1	95.5	95.7	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	1.2	81.9	83.7	92.5	95.8	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	1.2	81.5	88.3	92.6	95.9	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	1.2	81.1	88.4	92.7	96.1	96.3	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	1.2	81.5	88.8	93.2	96.5	96.8	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	1.2	81.7	89.3	93.4	96.9	97.5	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	1.2	81.7	89.0	93.4	97.0	97.6	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	1.2	81.7	89.8	93.4	97.0	97.6	99.7	99.3	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	1.2	81.7	89.0	93.4	97.0	97.6	99.3	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	1.2	81.7	89.0	93.4	97.0	97.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	1.2	81.7	89.0	93.4	97.0	97.6	99.0	99.3	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

FAA METEOROLOGICAL BRANCH
 TYPED
 ATTY SERVICE/AC

CEILING VERSUS VISIBILITY

STATION 4000 MD
 STATION NAME

73-81

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

12-3-14-7

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	0.7	41.5	51.9	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	0.7	57.5	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	0.7	57.5	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 16000	0.7	57.7	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	0.7	59.7	61.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	1.0	60.1	62.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	1.0	63.0	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	1.0	63.0	66.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	1.0	65.5	69.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	1.0	67.1	71.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 6000	1.0	67.5	71.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	1.0	69.0	73.1	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	1.0	70.1	74.5	76.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	1.0	74.9	79.9	81.2	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	1.0	77.7	82.9	85.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	1.0	84.4	89.9	92.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	1.0	85.4	91.0	93.4	95.0	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	1.0	86.3	92.3	94.7	96.5	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	1.0	86.3	92.3	94.7	96.6	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	1.0	87.3	93.3	95.7	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	1.0	87.3	93.3	95.7	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	1.0	87.4	93.5	95.9	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	1.0	87.7	93.8	96.2	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	1.0	87.9	94.0	96.4	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	1.0	87.9	94.0	96.4	98.8	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	1.0	87.9	94.0	96.4	98.9	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	1.0	87.9	94.0	96.4	98.9	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	1.0	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	1.0	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	1.0	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	1.0	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	1.0	87.9	94.0	96.4	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 875

CENTRAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2457
STATION

FT LEONARD WOOD MO
STATION NAME

73-61
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	54.6	57.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 8000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 7000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1800	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1500	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1200	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1000	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 900	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 800	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 700	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 600	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 500	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 400	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 300	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 200	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 100	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 0	64.3	66.5	67.9	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5

TOTAL NUMBER OF OBSERVATIONS 327

CLIMATOLOGY BRANCH
ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
4457

STATION NAME
FT LEONARD WOOD MC

YEARS
73-81

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2400
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	4.7	62.7	65.1	66.6	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 20000	4.9	68.1	72.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 18000	4.7	68.1	71.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 16000	4.9	68.1	72.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	4.7	68.1	71.7	72.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 12000	4.9	68.1	71.5	73.4	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 10000	5.2	73.5	76.4	78.4	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 9000	5.2	73.5	76.4	78.4	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 8000	5.4	78.2	81.3	83.5	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	5.4	79.1	82.3	84.4	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	5.4	79.5	83.0	85.4	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 5000	5.5	81.4	85.7	87.4	89.8	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 4500	5.5	81.8	85.4	88.0	90.4	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	5.5	82.9	86.5	89.2	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	5.5	83.2	86.3	89.6	92.4	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	5.5	85.1	88.8	91.6	94.6	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500	5.6	86.2	89.9	92.7	95.8	96.6	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	5.6	86.6	90.3	93.3	96.4	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800	5.6	86.6	90.3	93.3	96.4	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500	5.6	86.7	90.4	93.4	96.5	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	5.6	86.8	90.5	93.5	96.6	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	5.6	86.8	90.5	93.5	96.6	97.5	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	5.6	87.1	91.8	93.6	97.0	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 700	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.7	98.8	98.8	98.8	98.8	99.0	99.0	99.0
≥ 600	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.7	98.8	98.8	98.8	98.8	99.0	99.0	99.0
≥ 500	5.6	87.2	91.9	93.9	97.1	98.1	98.2	98.6	98.7	98.8	98.8	98.8	98.8	99.0	99.0	99.0
≥ 400	5.6	87.2	91.9	93.9	97.1	98.2	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 300	5.6	87.2	91.9	93.9	97.1	98.2	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 200	5.6	87.2	91.9	93.9	97.1	98.2	98.8	99.3	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	5.6	87.2	91.9	93.9	97.1	98.2	98.8	99.3	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	5.6	87.2	91.9	93.9	97.1	98.2	98.8	99.3	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

AL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774457
STATION

FT LEONARD 4000 MO
STATION NAME

73-79,81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	22.7	69.9	71.0	72.3	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 18000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 16000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 14000	24.0	74.7	75.8	77.1	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 12000	24.0	75.1	76.2	77.5	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000	24.5	75.4	79.7	81.0	81.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	24.5	75.4	79.7	81.0	81.9	81.9	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	24.5	83.2	85.2	86.5	87.6	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 7000	24.5	83.6	85.6	86.9	88.0	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 6000	24.5	83.8	85.8	87.3	88.4	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	24.5	85.6	87.6	89.1	90.2	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4500	24.9	86.0	88.0	89.5	90.8	90.8	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	24.9	87.6	89.7	91.5	92.8	92.8	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	24.9	88.4	90.6	92.4	94.1	94.1	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	24.9	90.0	92.4	94.3	96.1	96.1	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2500	25.1	90.2	92.6	94.5	96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	25.1	90.2	92.6	94.5	96.3	96.3	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	25.1	90.2	92.6	94.5	96.5	96.5	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	25.1	90.6	93.2	95.2	97.2	97.2	97.8	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	25.1	90.6	93.2	95.2	97.4	97.6	98.5	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 452

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO

73-81

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	4.4	53.6	57.4	59.5	61.2	61.6	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.5	62.5
≥ 20000	4.7	60.0	64.1	66.4	68.2	68.6	69.0	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.6	69.6
IV 18000	4.7	60.1	64.1	66.4	68.2	68.6	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.6	69.7
IV 16000	4.7	60.1	64.2	66.5	68.3	68.7	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.7	69.7
IV 14000	4.7	60.6	64.6	66.9	68.7	69.2	69.6	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.1	70.2
IV 12000	4.8	61.5	65.7	67.9	69.8	70.2	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.2	71.2	71.2
IV 10000	4.9	65.3	69.9	72.3	74.3	74.7	75.2	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.8	75.8
IV 9000	4.9	65.3	70.0	72.4	74.4	74.8	75.3	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9
IV 8000	5.0	68.5	73.4	76.1	78.3	78.8	79.4	79.6	79.7	79.8	79.8	79.8	79.9	79.9	80.0	80.1
IV 7000	5.0	69.7	74.7	77.4	79.7	80.2	80.8	81.1	81.1	81.2	81.3	81.3	81.3	81.4	81.5	81.5
IV 6000	5.0	70.4	75.5	78.2	80.6	81.1	81.6	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.3	82.4
IV 5000	5.0	71.7	76.9	79.8	82.3	82.8	83.4	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.1	84.2
IV 4500	5.0	72.4	77.8	80.8	83.4	84.0	84.5	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.3
IV 4000	5.0	74.7	80.2	83.4	86.1	86.7	87.3	87.6	87.7	87.8	87.8	87.9	87.9	87.9	88.1	88.1
IV 3500	5.0	75.7	81.4	84.7	87.7	88.3	88.9	89.2	89.3	89.4	89.4	89.5	89.5	89.5	89.7	89.7
IV 3000	5.1	78.6	84.6	87.9	91.0	91.6	92.2	92.6	92.6	92.7	92.8	92.8	92.8	92.9	93.0	93.1
IV 2500	5.2	79.5	85.5	89.0	92.2	92.8	93.4	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.3	94.3
IV 2000	5.2	80.2	86.3	89.8	93.2	93.8	94.4	94.8	94.8	95.0	95.1	95.1	95.1	95.2	95.3	95.3
IV 1800	5.2	80.2	86.3	89.9	93.3	93.9	94.5	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.4	95.4
IV 1500	5.2	80.7	86.8	90.4	93.9	94.6	95.2	95.6	95.6	95.8	95.9	95.9	95.9	96.0	96.1	96.2
IV 1200	5.2	80.8	86.9	90.5	94.1	94.8	95.5	95.8	95.9	96.1	96.2	96.2	96.2	96.3	96.4	96.4
IV 1000	5.2	81.1	87.3	90.9	94.6	95.3	96.0	96.4	96.4	96.6	96.7	96.7	96.7	96.8	96.9	96.9
IV 900	5.2	81.3	87.5	91.1	94.8	95.5	96.2	96.6	96.7	96.9	97.0	97.0	97.0	97.1	97.2	97.2
IV 800	5.2	81.5	87.7	91.3	95.1	95.8	96.5	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.6	97.6
IV 700	5.2	81.6	87.8	91.4	95.2	96.0	96.7	97.1	97.3	97.5	97.5	97.6	97.6	97.7	97.8	97.8
IV 600	5.2	81.6	87.9	91.5	95.4	96.2	97.0	97.4	97.5	97.7	97.8	97.8	97.9	97.9	98.1	98.1
IV 500	5.2	81.7	87.9	91.6	95.5	96.4	97.2	97.6	97.7	98.0	98.0	98.1	98.1	98.2	98.3	98.4
IV 400	5.2	81.7	88.0	91.6	95.6	96.5	97.5	98.0	98.2	98.5	98.5	98.5	98.6	98.7	98.9	98.9
IV 300	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.1	98.5	98.8	98.9	98.9	99.0	99.1	99.4	99.5
IV 200	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.2	99.3	99.7	99.9
IV 100	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.3	99.3	99.7	100.0
IV 0	5.2	81.7	88.0	91.7	95.7	96.6	97.6	98.2	98.6	98.9	99.0	99.1	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5154

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 24457 ST LEONARD WOOD MO

73-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING ≥ 20000	7.3	45.3	46.9	46.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV ≥ 18000	7.3	49.7	52.7	52.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV ≥ 16000	7.3	49.7	52.7	52.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV ≥ 14000	7.3	49.7	52.7	52.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV ≥ 12000	7.3	49.7	52.7	52.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV ≥ 10000	3.9	55.4	59.2	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV ≥ 9000	3.9	55.4	59.2	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV ≥ 8000	4.5	54.7	61.5	62.0	63.1	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV ≥ 7000	4.5	60.3	63.1	63.7	64.8	64.8	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV ≥ 6000	4.5	61.5	64.2	64.8	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV ≥ 5000	10.1	63.1	66.5	67.0	69.3	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV ≥ 4500	10.1	65.9	69.3	69.8	72.1	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV ≥ 4000	10.1	67.6	70.9	71.5	73.7	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV ≥ 3500	10.1	67.6	70.9	72.1	74.3	74.3	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV ≥ 3000	11.2	71.5	74.9	76.0	78.2	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV ≥ 2500	11.2	71.5	74.9	76.0	78.2	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV ≥ 2000	11.2	72.1	75.4	76.5	78.8	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV ≥ 1800	11.2	72.1	75.4	76.5	79.3	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV ≥ 1500	11.2	72.6	76.5	77.7	80.4	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV ≥ 1200	11.2	75.4	79.3	80.4	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV ≥ 1000	11.7	77.7	81.6	82.7	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV ≥ 900	11.7	78.2	82.1	83.2	86.0	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV ≥ 800	11.7	78.3	82.7	83.8	86.6	86.6	87.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV ≥ 700	11.7	80.4	84.9	86.0	88.8	89.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV ≥ 600	11.7	80.4	84.9	86.0	89.4	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV ≥ 500	11.7	82.1	86.6	87.7	92.2	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV ≥ 400	11.7	82.1	86.6	87.7	92.2	93.3	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV ≥ 300	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV ≥ 200	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV ≥ 100	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
IV ≥ 0	11.7	82.1	86.6	87.7	92.7	93.9	97.2	98.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 179

USAF CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

14457
STATION

FT LEONARD WOOD MO
STATION NAME

73-79
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	13.4	47.4	51.2	50.2	51.7	52.3	53.5	54.1	54.1	54.4	54.4	54.4	54.4	54.4	55.0	55.0
≥ 20000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 18000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 16000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 14000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 12000	13.7	51.4	54.1	54.7	55.9	56.5	58.1	59.3	59.3	59.6	59.6	59.6	59.6	59.6	60.2	60.2
≥ 10000	14.3	54.1	56.8	57.4	58.7	59.3	60.8	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.9	62.9
≥ 9000	14.3	54.1	56.8	57.4	58.7	59.3	60.8	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.9	62.9
≥ 8000	15.2	57.1	59.9	60.8	62.0	62.6	64.1	65.3	65.3	65.7	65.7	65.7	65.7	65.7	66.3	66.3
≥ 7000	15.5	59.0	61.7	62.6	63.8	64.4	66.0	67.2	67.2	67.5	67.5	67.5	67.5	67.5	68.1	68.1
≥ 6000	15.5	59.6	62.3	63.2	64.4	65.3	66.9	68.1	68.1	68.4	68.4	68.4	68.4	68.4	69.0	69.0
≥ 5000	16.7	62.3	65.7	66.0	67.5	68.4	69.9	71.1	71.1	71.4	71.4	71.4	71.4	71.4	72.0	72.0
≥ 4500	16.7	63.5	65.9	67.8	69.9	71.8	72.3	73.6	73.6	73.9	73.9	73.9	73.9	73.9	74.5	74.5
≥ 4000	16.7	65.7	69.7	70.2	72.6	73.6	75.1	76.3	76.3	76.6	76.6	76.6	76.6	76.6	77.2	77.2
≥ 3500	16.7	66.0	69.3	70.5	72.9	73.9	75.4	76.6	76.6	76.9	76.9	76.9	76.9	76.9	77.5	77.5
≥ 3000	17.6	67.2	70.5	72.0	74.5	75.4	77.2	78.4	78.4	78.7	78.7	78.7	78.7	78.7	79.3	79.3
≥ 2500	17.6	68.1	71.4	72.9	75.4	76.3	78.1	79.3	79.3	79.6	79.6	79.6	79.6	79.6	80.2	80.2
≥ 2000	17.6	68.1	71.4	72.9	75.4	76.3	78.1	79.3	79.3	79.6	79.6	79.6	79.6	79.6	80.2	80.2
≥ 1800	17.6	68.7	72.0	73.6	76.6	77.5	79.3	80.5	80.5	80.9	80.9	80.9	80.9	80.9	81.5	81.5
≥ 1500	17.6	70.2	73.9	75.1	78.1	79.0	80.9	82.1	82.1	82.4	82.4	82.4	82.4	82.4	83.0	83.0
≥ 1200	17.6	70.5	73.9	75.4	78.4	79.3	81.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	83.3	83.3
≥ 1000	17.6	70.8	74.5	76.0	79.0	79.9	81.8	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.9	83.9
≥ 900	17.6	70.8	74.5	76.3	79.6	80.5	82.4	83.6	83.6	83.9	83.9	83.9	83.9	83.9	84.5	84.5
≥ 800	17.6	71.1	74.8	76.6	80.2	81.2	83.0	84.2	84.2	84.5	84.5	84.5	84.5	84.5	85.1	85.1
≥ 700	17.6	72.6	76.3	78.4	82.1	83.0	84.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.9	86.9
≥ 600	17.6	73.3	76.9	79.0	83.0	83.9	86.0	87.2	87.2	87.5	87.5	87.5	87.5	87.5	88.1	88.1
≥ 500	17.6	73.3	76.9	79.0	83.3	84.2	87.2	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.7	89.7
≥ 400	17.6	73.3	76.9	79.0	83.9	84.8	87.8	90.3	90.3	90.9	90.9	90.9	90.9	90.9	91.5	91.5
≥ 300	17.6	73.6	77.2	79.6	84.5	85.4	88.4	91.8	92.1	92.7	93.0	93.0	93.0	93.0	93.9	93.9
≥ 200	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	93.9	95.1	95.7	95.7	95.7	95.7	96.0	96.0
≥ 100	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	94.2	95.4	96.4	96.4	96.4	96.4	96.7	96.7
≥ 0	17.6	73.6	77.2	79.6	84.8	85.7	89.4	93.3	94.2	95.4	96.4	96.4	96.4	96.4	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 329

LOCAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO.
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2400
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING		39.2	43.9	46.0	51.6	52.8	54.0	54.8	55.6	55.9	56.3	56.4	56.5	56.5	56.6	57.1
≥ 20000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 18000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 16000		41.6	46.4	50.6	54.5	55.8	57.4	58.1	59.0	59.3	59.6	59.9	60.0	60.0	60.2	60.7
≥ 14000		42.1	47.7	51.3	55.1	56.4	58.0	58.8	59.6	59.9	60.3	60.5	60.7	60.7	60.8	61.3
≥ 12000		43.6	48.5	52.9	56.8	58.1	59.9	60.7	61.5	61.8	62.2	62.4	62.5	62.5	62.7	63.2
≥ 10000		45.6	50.9	55.4	59.5	61.0	63.0	63.8	64.7	65.0	65.4	65.7	65.8	65.8	65.9	66.4
≥ 9000		45.7	51.0	55.5	59.6	61.2	63.2	63.9	64.8	65.2	65.5	65.8	65.9	65.9	66.0	66.5
≥ 8000		48.9	54.4	59.3	63.9	65.4	67.4	68.2	69.0	69.7	70.1	70.3	70.4	70.4	70.6	71.2
≥ 7000		51.0	56.6	61.5	66.7	68.2	70.2	70.9	71.8	72.4	72.8	73.1	73.2	73.2	73.3	73.9
≥ 6000		52.5	58.3	63.2	68.3	69.8	71.8	72.6	73.4	74.1	74.4	74.7	74.8	74.8	74.9	75.6
≥ 5000		54.0	59.9	65.0	70.3	72.1	74.1	74.8	75.7	76.3	76.7	76.9	77.1	77.1	77.2	77.8
≥ 4500		55.6	62.0	67.2	72.6	74.3	76.7	77.6	78.6	79.2	79.6	79.8	79.9	79.9	80.1	80.7
≥ 4000		56.4	62.7	67.9	73.6	75.6	77.9	78.8	79.8	80.5	81.0	81.2	81.3	81.3	81.5	82.1
≥ 3500		56.5	62.8	68.0	73.8	75.8	78.3	79.2	80.2	80.8	81.3	81.6	81.7	81.7	81.8	82.5
≥ 3000		57.0	63.4	68.7	74.6	76.7	79.2	80.5	81.6	82.2	82.7	83.0	83.1	83.1	83.2	83.8
≥ 2500		57.1	63.9	69.4	75.7	77.8	80.5	81.7	82.8	83.5	84.0	84.2	84.3	84.3	84.5	85.1
≥ 2000		57.3	64.2	69.9	76.3	78.4	81.2	82.5	83.6	84.2	84.7	85.0	85.1	85.1	85.2	85.8
≥ 1800		57.3	64.2	69.9	76.3	78.4	81.2	82.5	83.6	84.2	84.7	85.0	85.1	85.1	85.2	85.8
≥ 1500		57.5	64.5	70.3	76.8	79.1	81.8	83.2	84.5	85.1	85.6	85.8	86.0	86.0	86.1	86.7
≥ 1200		58.0	65.0	70.8	77.8	80.1	83.0	84.5	85.7	86.3	86.8	87.1	87.2	87.2	87.3	88.0
≥ 1000		58.5	65.7	71.4	78.8	81.1	84.0	85.5	86.7	87.3	87.8	88.1	88.2	88.2	88.3	89.0
≥ 900		59.0	66.2	71.9	79.3	81.6	84.5	86.0	87.2	87.8	88.3	88.6	88.7	88.7	88.8	89.5
≥ 800		59.4	66.7	72.6	79.9	82.3	85.3	86.8	88.1	88.7	89.2	89.5	89.6	89.6	89.7	90.4
≥ 700		59.6	67.1	72.9	80.5	83.0	86.0	87.5	89.0	89.6	90.1	90.4	90.5	90.5	90.6	91.4
≥ 600		60.0	67.4	73.6	81.2	84.0	87.1	88.8	90.4	91.1	91.6	91.9	92.0	92.0	92.1	92.9
≥ 500		60.2	67.5	73.7	81.5	84.2	87.5	89.6	91.2	92.1	92.7	93.0	93.1	93.1	93.2	94.1
≥ 400		60.3	67.7	73.9	81.7	84.5	88.2	91.4	93.2	94.5	95.1	95.4	95.6	95.6	95.7	96.7
≥ 300		60.3	67.8	74.1	81.8	84.6	88.3	91.6	93.6	95.1	95.7	96.0	96.4	96.6	97.1	98.2
≥ 200		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.0	97.4	97.9	99.1
≥ 100		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.1	97.5	98.2	99.9
≥ 0		60.3	67.8	74.1	81.8	84.6	88.5	91.9	94.0	95.6	96.4	96.6	97.1	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 738

CLIMATE CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

SE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

999-110
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		53.8	53.5	54.6	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000		55.0	57.8	58.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 18000		55.0	57.8	59.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000		55.0	57.8	59.5	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000		55.4	58.2	59.8	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		57.2	60.2	61.8	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000		60.2	63.3	65.1	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		60.4	63.5	65.4	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000		64.9	68.1	70.3	72.3	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000		66.4	69.6	71.9	73.9	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000		67.1	70.3	72.7	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000		67.7	71.0	73.7	75.6	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500		67.7	71.9	74.7	76.8	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		69.6	73.2	75.9	78.1	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500		70.8	74.3	77.1	79.4	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000		72.3	75.9	78.9	81.2	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500		73.3	77.0	80.3	82.7	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000		74.7	78.6	82.3	84.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800		75.3	79.1	82.8	85.4	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1500		77.0	81.6	85.3	88.0	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200		78.1	82.7	86.5	89.5	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1000		79.6	84.2	88.1	91.5	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900		79.7	84.3	88.4	91.7	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800		80.3	84.9	89.1	92.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700		80.5	85.3	89.5	93.2	94.7	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600		80.8	85.4	89.7	94.2	95.7	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		81.0	85.9	90.4	94.7	96.3	97.2	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400		81.0	85.9	90.5	95.1	96.7	97.9	98.5	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 300		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0		81.1	86.0	90.6	95.3	96.9	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 809

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13
NO CEILING	1.1	47.6	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	1.1	54.9	55.9	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	1.1	55.6	56.9	57.2	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	1.1	60.2	61.0	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	1.1	60.4	62.1	62.5	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	1.1	63.4	65.4	66.0	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	1.4	65.4	67.4	68.0	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	1.4	65.4	67.9	68.6	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	1.4	66.4	69.7	69.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	1.4	69.2	70.3	71.9	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	1.4	70.8	73.8	74.9	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	1.4	73.4	76.5	77.6	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	1.4	74.1	81.2	82.6	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	1.4	81.1	84.7	86.3	88.1	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	1.4	82.4	86.3	88.0	90.1	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	1.4	83.4	87.3	89.0	91.1	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.4	84.9	88.8	91.0	93.6	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	1.4	84.9	88.8	91.0	93.6	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	1.4	85.7	89.5	91.8	94.8	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	1.4	85.7	89.5	92.0	94.9	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	1.4	85.9	90.1	92.6	95.8	96.5	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	1.4	85.9	90.2	92.7	96.0	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	1.4	86.2	90.6	93.2	96.8	97.8	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	1.4	86.4	90.9	93.4	97.0	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	1.4	86.4	90.9	93.4	97.0	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	1.4	86.4	90.9	93.4	97.2	98.4	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	1.4	86.4	90.9	93.4	97.2	98.4	99.1	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 609

GENERAL CLIMATOLOGY BRANCH
ETAC
NATIONAL SERVICE/NAO

CEILING VERSUS VISIBILITY

4457 AF LEONARD WOOD MO

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1945-1972

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	1.7	52.3	54.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	1.7	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	1.9	61.4	63.7	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	1.9	63.2	69.9	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	1.9	63.2	69.9	70.8	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	1.9	71.4	73.4	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	1.9	71.4	73.4	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	1.9	73.2	75.2	76.4	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 5000	1.9	74.4	76.5	77.8	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	1.9	76.6	78.9	80.4	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	1.9	79.3	81.7	83.4	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	1.9	81.1	84.3	85.7	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	1.9	83.5	86.6	88.3	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	1.9	85.3	89.7	90.6	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	1.9	87.0	90.3	92.2	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	1.9	87.1	90.4	92.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	1.9	87.1	90.4	92.3	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	1.9	87.5	91.3	93.0	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	1.9	88.1	91.6	93.6	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	1.9	88.6	92.7	94.3	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	1.9	88.7	92.3	94.5	96.9	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	1.9	83.7	92.4	94.7	97.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	1.9	88.7	92.4	94.7	97.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 605

U.S. AIR FORCE
METEOROLOGICAL BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 ST LEONARD WOOD MO

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥20000	9.9	56.5	59.4	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥18000	10.0	66.0	67.1	67.3	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥16000	10.0	66.0	67.1	67.3	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥14000	10.0	66.1	67.2	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥12000	11.0	67.3	67.6	67.9	68.3	68.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥10000	11.5	72.7	74.1	74.4	74.8	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥9000	11.5	73.1	74.6	74.9	75.3	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥8000	11.7	75.7	77.4	77.8	78.4	78.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥7000	12.2	76.8	78.5	79.1	79.8	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥6000	12.2	77.7	79.6	80.2	81.0	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥5000	12.3	80.0	81.2	82.7	83.7	83.7	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥4500	12.3	81.5	83.4	84.2	85.2	85.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥4000	12.6	82.7	84.5	85.3	86.3	86.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥3500	12.7	83.9	85.2	86.5	87.8	87.9	89.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥3000	12.7	85.9	87.8	88.7	90.0	90.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥2500	13.0	86.8	88.9	89.8	91.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥2000	13.0	87.2	89.3	90.1	91.8	92.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥1800	13.1	87.3	89.4	90.3	91.9	92.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥1500	13.1	87.9	90.0	91.0	92.6	93.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥1200	13.1	88.0	90.1	91.1	92.9	93.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥1000	13.3	88.9	91.0	92.0	93.9	94.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥900	13.3	89.2	91.3	92.3	94.1	95.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥800	13.5	89.5	91.6	92.9	95.0	96.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥700	13.5	89.7	92.0	93.3	95.4	96.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥600	13.5	89.7	92.0	93.3	95.4	96.9	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥500	13.5	89.8	92.1	93.4	95.6	97.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥400	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥300	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥200	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥100	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥0	13.5	89.8	92.1	93.4	95.8	97.4	98.8	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 222

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION 457 ST. LEONARD WOOD MO
 STATION NAME

73-81

YEARS

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-2-2-10

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.7	61.1	61.1	61.2	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	20.7	65.3	66.2	66.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	21.1	66.4	67.3	67.6	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	22.2	71.0	71.9	72.1	72.3	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 9000	22.4	71.2	72.1	72.3	72.6	72.8	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	24.0	73.7	74.4	75.1	75.3	75.5	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	24.3	74.6	75.5	75.7	76.0	76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	24.3	75.7	76.9	77.6	77.8	78.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	24.7	76.5	77.6	78.5	78.8	79.0	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	24.9	80.3	81.6	82.3	83.0	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	25.6	81.6	83.0	83.7	84.6	84.8	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	25.6	82.8	84.1	84.8	85.7	85.9	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	25.9	83.2	84.6	85.3	86.2	86.4	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	25.9	83.7	85.1	85.7	86.6	86.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	26.3	85.3	86.6	87.3	88.2	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	26.3	85.3	86.6	87.3	88.2	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	26.3	85.5	86.9	87.5	88.4	88.7	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	26.5	86.4	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 300	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 100	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 0	26.5	86.0	87.4	88.4	89.3	89.6	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS 441

LOCAL CLIMATOLOGY BRANCH
 USAF ETAC
 STATION SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 4457 STATION NAME FT LEONARD WOOD MO

73-61

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	5.0	50.4	52.4	53.4	54.3	54.5	54.9	55.0	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5
≥ 20000	7.2	50.1	50.3	50.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 18000	5.2	56.1	56.3	56.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 16000	5.2	56.1	56.3	56.5	60.7	61.0	61.4	61.6	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 14000	5.2	56.4	56.5	56.8	60.9	61.3	61.7	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.3	62.3
IV 12000	5.3	57.5	59.3	61.0	62.2	62.6	63.1	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7
IV 10000	5.6	61.6	64.1	65.4	66.7	67.2	67.7	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4
IV 9000	5.6	61.6	64.3	65.7	65.9	67.4	67.9	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.7
IV 8000	5.7	64.9	67.6	69.2	70.7	71.2	71.8	72.1	72.2	72.3	72.4	72.4	72.4	72.5	72.5	72.6
IV 7000	6.0	66.5	69.2	70.9	72.5	73.0	73.6	73.8	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.3
IV 6000	6.4	67.3	70.1	71.8	73.5	74.0	74.6	74.8	75.0	75.1	75.2	75.2	75.2	75.3	75.3	75.4
IV 5000	6.2	66.8	71.7	73.6	75.5	76.0	76.6	76.9	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.4
IV 4500	6.2	71.5	73.6	75.5	77.5	76.1	78.8	79.1	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.6
IV 4000	6.3	72.1	75.3	77.3	79.5	80.1	80.9	81.1	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.7
IV 3500	6.3	73.4	76.6	76.7	81.0	81.6	82.4	82.6	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.2
IV 3000	6.4	75.4	79.8	81.0	83.3	84.0	84.8	85.2	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.8
IV 2500	6.5	76.6	80.2	82.6	85.1	85.9	86.7	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.7
IV 2000	6.5	77.6	81.3	83.7	86.4	87.2	88.2	88.5	88.7	88.9	88.9	89.0	89.0	89.0	89.1	89.2
IV 1800	6.5	77.9	81.6	84.1	86.7	87.6	88.5	88.9	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.5
IV 1500	6.5	78.7	82.6	85.2	88.0	89.0	89.9	90.3	90.5	90.7	90.8	91.8	92.8	92.9	92.9	93.0
IV 1200	6.5	79.2	83.1	85.7	88.8	89.7	90.7	91.2	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8
IV 1000	6.6	80.2	84.1	86.8	90.1	91.1	92.1	92.5	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.2
IV 900	6.6	80.4	84.4	87.1	90.4	91.4	92.5	92.9	93.1	93.3	93.4	93.4	93.4	93.5	93.5	93.6
IV 800	6.6	80.8	84.9	87.7	91.2	92.3	93.5	93.9	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.6
IV 700	6.7	81.1	85.2	88.2	91.7	93.0	94.2	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.5
IV 600	6.7	81.3	85.6	88.6	92.3	93.7	95.0	95.5	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.3
IV 500	6.7	81.5	85.8	88.8	92.7	94.2	95.7	96.3	96.6	96.9	97.0	97.1	97.1	97.1	97.1	97.3
IV 400	6.7	81.5	85.8	88.8	92.9	94.4	96.2	97.1	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.5
IV 300	6.7	81.5	85.9	88.9	93.0	94.6	96.3	97.4	98.0	98.4	98.6	98.7	98.8	98.8	98.9	99.1
IV 200	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.0	99.1	99.2	99.3	99.4	99.6
IV 100	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.1	99.2	99.3	99.5	99.6	99.9
IV 0	6.7	81.5	85.9	88.9	93.0	94.6	96.4	97.5	98.2	98.8	99.1	99.2	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 472

LOCAL CLIMATOLOGY WATCH
 1720
 FATHER SERVICE 7/141

CEILING VERSUS VISIBILITY

457
 STATION

FT LEONARD WOOD MO
 STATION NAME

73-74
 YEAR

267
 DATA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1999-2000
 YEAR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	35.5	57.4	53.4	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 16000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 14000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	40.5	67.3	68.3	69.3	71.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	41.5	72.3	74.3	75.2	76.2	76.2	76.2	76.2	76.2	76.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 9000	41.5	72.3	74.3	75.2	76.2	76.2	76.2	76.2	76.2	76.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	44.5	73.2	81.2	81.2	82.2	82.2	82.2	82.2	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	44.5	79.2	81.2	82.2	83.2	83.2	83.2	83.2	83.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 6000	45.5	81.2	83.2	84.2	85.1	85.1	85.1	85.1	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 5000	45.5	81.2	83.2	84.2	85.1	85.1	85.1	85.1	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	45.5	81.2	84.2	86.1	87.1	87.1	88.1	88.1	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	45.5	84.2	87.1	89.1	91.1	91.1	91.1	91.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	45.5	84.2	87.1	89.1	91.1	91.1	91.1	91.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3000	46.5	87.1	90.1	92.1	93.1	93.1	94.1	94.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	46.5	87.1	90.1	92.1	93.1	93.1	94.1	94.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	47.5	88.1	91.1	93.1	94.1	94.1	95.0	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	47.5	89.1	92.1	94.1	95.0	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 101

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MC
STATION NAME

73-79

001

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-000
500-1000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	64.3	65.1	65.1	65.4	66.9	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.4	68.4	68.4	68.4
≥ 20000	39.0	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 18000	39.3	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 16000	39.3	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 14000	39.3	67.7	67.7	68.0	69.5	70.3	70.3	70.6	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0
≥ 12000	40.1	70.6	70.6	71.4	72.9	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.3	74.3	74.3	74.3
≥ 10000	41.3	73.2	73.2	74.0	75.5	76.2	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0
≥ 9000	40.0	73.2	73.2	74.0	75.5	76.2	76.2	76.6	76.6	76.6	76.6	76.6	77.0	77.0	77.0	77.0
≥ 8000	41.3	73.6	73.6	74.3	75.8	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.3	77.3	77.3	77.3
≥ 7000	41.3	74.0	74.0	74.7	76.2	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.7	77.7	77.7	77.7
≥ 6000	42.3	75.8	75.8	76.6	78.1	78.8	78.8	79.2	79.2	79.2	79.2	79.2	79.6	79.6	79.6	79.6
≥ 5000	42.3	76.6	76.6	77.3	78.8	79.6	79.6	79.9	79.9	79.9	79.9	79.9	80.3	80.3	80.3	80.3
≥ 4500	42.3	78.1	78.1	78.8	80.3	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.8	81.8	81.8	81.8
≥ 4000	42.3	79.6	79.6	80.7	82.2	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.6	83.6	83.6	83.6
≥ 3500	43.1	81.3	81.3	81.8	83.3	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8
≥ 3000	43.1	80.3	81.1	81.8	83.3	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.8	84.8	84.8	84.8
≥ 2500	43.1	80.7	81.4	82.2	83.6	84.4	84.4	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1
≥ 2000	43.5	84.0	84.8	85.9	87.4	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.8	88.8	88.8	88.8
≥ 1800	43.5	84.8	85.5	86.6	88.1	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6
≥ 1500	44.6	86.2	87.3	88.1	89.6	90.3	90.3	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1
≥ 1200	45.4	87.0	87.7	88.8	90.7	91.4	91.4	91.8	91.8	91.8	91.8	91.8	92.2	92.2	92.2	92.2
≥ 1000	45.4	87.7	88.3	89.0	91.4	92.2	92.6	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3
≥ 900	45.4	87.7	88.5	89.6	91.4	92.2	92.6	92.9	92.9	92.9	92.9	92.9	93.3	93.3	93.3	93.3
≥ 800	45.4	87.7	88.5	89.6	91.8	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 700	45.4	87.7	88.5	89.6	91.8	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7
≥ 600	45.4	87.7	88.8	90.3	92.9	93.7	94.8	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5
≥ 500	45.4	87.7	88.8	90.3	93.3	94.1	95.2	95.5	95.5	95.5	95.5	95.5	95.9	95.9	95.9	95.9
≥ 400	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 300	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 200	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 100	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7
≥ 0	45.4	87.7	88.8	90.3	93.7	94.4	95.9	96.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 262

LOCAL CLIMATOLOGY BRANCH
 STATION
 DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4457 FT LEONARD WOOD MO STATION NAME

73-81 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

600-200
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.6	57.3	59.1	59.8	60.6	60.7	61.0	61.2	61.5	61.6	61.7	61.7	61.7	62.0	62.0	62.6
≥ 20000	5.6	59.9	61.8	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 18000	5.6	59.9	61.8	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 16000	5.6	59.9	61.8	62.5	63.3	63.4	63.7	63.9	64.2	64.3	64.4	64.4	64.4	64.7	64.7	65.3
IV 14000	5.6	60.0	62.0	62.6	63.4	63.6	63.8	64.0	64.3	64.4	64.5	64.5	64.5	64.8	64.8	65.4
IV 12000	5.6	60.9	63.1	63.8	64.9	65.2	65.4	65.8	66.0	66.1	66.3	66.3	66.3	66.5	66.5	67.1
IV 10000	5.6	62.9	65.4	66.3	67.4	67.6	67.9	68.2	68.5	68.6	68.7	68.7	68.7	69.0	69.0	69.6
IV 9000	5.6	63.1	65.5	66.4	67.5	67.7	68.0	68.3	68.6	68.7	68.8	68.8	68.8	69.1	69.1	69.7
IV 8000	5.6	65.4	68.0	69.1	70.6	70.8	71.0	71.4	71.7	71.8	71.9	71.9	71.9	72.1	72.1	73.0
IV 7000	6.3	67.5	70.2	71.3	72.9	73.1	73.4	73.7	74.0	74.1	74.2	74.2	74.2	74.5	74.5	75.3
IV 6000	6.4	68.6	71.3	72.6	74.2	74.5	74.7	75.1	75.3	75.5	75.6	75.6	75.6	75.8	75.8	76.7
IV 5000	6.6	69.4	72.4	73.7	75.5	75.8	76.2	76.6	76.8	76.9	77.1	77.1	77.1	77.3	77.3	78.2
IV 4500	6.6	71.1	74.3	75.5	77.2	77.5	77.9	78.3	78.5	78.7	78.8	78.8	78.8	79.0	79.1	79.9
IV 4000	6.6	72.0	75.1	76.6	78.5	79.1	79.5	79.9	80.1	80.2	80.4	80.4	80.4	80.6	80.7	81.5
IV 3500	6.6	72.5	75.6	77.1	79.0	79.6	80.0	80.4	80.6	80.7	80.9	80.9	80.9	81.1	81.2	82.0
IV 3000	6.6	73.3	76.4	77.9	80.1	80.9	81.2	81.6	81.8	82.0	82.1	82.1	82.1	82.3	82.5	83.2
IV 2500	6.6	73.7	76.9	78.5	81.0	81.8	82.3	82.7	82.9	83.1	83.2	83.2	83.2	83.4	83.6	84.3
IV 2000	6.6	74.4	77.5	79.1	81.8	82.7	83.3	83.9	84.2	84.3	84.4	84.4	84.4	84.7	84.8	85.5
IV 1800	6.6	75.0	78.3	79.9	82.6	83.4	84.0	84.7	84.9	85.0	85.2	85.2	85.2	85.4	85.5	86.3
IV 1500	6.7	76.4	79.8	81.3	84.3	85.2	85.8	86.4	86.7	86.9	87.0	87.0	87.0	87.2	87.4	88.1
IV 1200	6.7	76.8	80.1	81.8	84.8	85.8	86.4	87.0	87.4	87.5	87.6	87.6	87.6	87.9	88.0	88.7
IV 1000	6.9	78.2	81.5	83.2	86.5	87.6	88.2	88.8	89.2	89.3	89.4	89.4	89.4	89.7	89.8	90.6
IV 900	6.9	78.3	81.6	83.3	86.7	87.9	88.5	89.2	89.6	89.7	89.8	89.8	89.8	90.1	90.2	90.9
IV 800	6.9	79.4	81.7	83.6	87.1	88.2	89.0	89.7	90.1	90.2	90.3	90.3	90.3	90.7	90.8	91.5
IV 700	6.9	78.7	82.1	84.0	87.6	88.7	89.7	90.4	90.9	91.0	91.3	91.3	91.3	91.7	91.8	92.5
IV 600	6.9	78.9	82.7	84.7	88.6	89.9	90.9	91.8	92.5	92.6	92.9	92.9	92.9	93.0	93.3	94.1
IV 500	6.9	79.1	83.1	85.0	89.4	91.3	92.4	93.4	94.1	94.5	94.7	94.7	94.7	95.1	95.2	95.9
IV 400	6.9	79.1	83.1	85.0	89.7	91.7	93.1	94.1	95.1	95.5	95.7	95.7	95.7	96.1	96.2	96.9
IV 300	6.9	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.4	96.8	96.8	96.8	97.1	97.4	98.2
IV 200	6.9	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.7	98.2	99.4
IV 100	6.9	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.8	98.3	99.9
IV 0	6.9	79.1	83.1	85.0	89.8	92.0	93.5	94.7	96.0	96.6	97.1	97.2	97.4	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 815

U.S. AIR FORCE
CLIMATE BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

LEONARD WOOD MC
STATION NAME

73-81
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	.7	6.5	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	.7	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	.7	64.7	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000	.7	64.7	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	.7	65.3	65.5	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	.7	67.5	68.4	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	.7	69.0	70.1	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000	.7	69.3	70.3	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	.7	72.1	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	.7	73.8	75.1	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	.7	74.9	76.3	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.7	75.5	76.9	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	.7	77.2	78.6	79.3	79.4	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	.7	77.8	79.5	80.6	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3500	.7	78.7	80.9	81.9	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	.7	79.9	82.1	83.3	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	.7	80.6	82.9	84.1	84.6	84.9	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	.7	82.2	84.7	86.0	86.6	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	.7	82.5	85.0	86.4	87.0	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	.7	83.3	86.0	87.6	88.4	88.8	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	.7	84.3	87.3	89.0	90.0	90.3	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	.7	84.8	88.6	90.3	91.3	91.7	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	.7	84.9	88.9	90.4	91.5	92.0	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	.7	85.4	89.2	90.9	92.1	92.6	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	.7	86.0	90.1	91.9	93.2	93.9	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	.7	86.2	90.3	92.2	94.0	95.3	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	.7	86.7	91.0	92.9	94.9	96.4	97.1	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	.7	86.7	91.0	92.9	94.9	96.7	97.8	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	.7	86.8	91.1	93.1	95.0	96.8	98.3	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 836

AL CLIMATOLOGY BRANCH
ETAC
AIR LEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.2-14.8
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 20000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 18000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 16000	2.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 14000	2.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	2.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 10000	2.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	2.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	2.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	2.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	2.4	75.9	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	2.4	77.2	77.5	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	2.4	79.9	79.2	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	2.4	79.8	80.1	80.4	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3500	2.4	80.8	81.3	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	2.4	83.6	84.4	84.7	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	2.5	86.3	87.3	87.8	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 2000	2.5	88.7	89.1	89.8	90.5	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	2.6	88.1	89.2	89.9	90.7	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1500	2.6	89.1	90.4	91.4	92.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	2.6	89.5	90.8	91.7	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	2.6	90.1	91.5	92.6	94.1	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	2.6	90.3	91.7	92.9	94.7	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	2.6	90.7	92.3	93.5	95.6	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	2.6	91.1	92.9	94.4	96.4	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	2.5	91.3	93.1	94.5	96.5	97.2	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	2.6	91.5	93.7	95.2	97.4	98.3	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	2.6	91.5	93.8	95.4	97.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	2.6	91.5	93.8	95.4	97.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	2.6	91.5	93.8	95.4	97.8	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	2.6	91.5	93.8	95.4	97.8	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	2.6	91.5	93.8	95.4	97.8	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 835

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MC
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
SOLAR TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.5	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	2.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	2.9	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	2.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	2.9	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 9000	2.9	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 8000	2.9	77.8	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	2.9	78.8	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	2.9	80.0	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000	2.9	80.9	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	2.9	82.7	83.6	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	2.9	83.6	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	2.9	84.7	85.7	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	2.9	86.5	87.8	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	2.9	87.1	88.5	89.2	89.4	89.9	89.9	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3
≥ 2000	3.1	89.0	89.7	90.6	91.1	91.7	91.7	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 1800	3.1	88.4	90.0	91.0	91.6	92.2	92.2	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8
≥ 1500	3.1	89.2	90.9	92.2	92.8	93.4	93.5	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 1200	3.1	87.8	91.6	92.9	93.6	94.2	94.4	94.8	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2
≥ 1000	3.1	90.5	92.3	93.6	94.7	95.3	95.4	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	3.1	91.3	92.7	94.0	95.2	96.0	96.2	96.6	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0
≥ 800	3.1	91.5	93.4	94.7	96.0	97.0	97.1	97.6	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0
≥ 700	3.1	92.0	93.9	95.3	97.0	98.1	98.2	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0
≥ 600	3.1	92.1	94.0	95.6	97.5	98.6	98.7	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	3.1	92.1	94.0	95.6	97.6	98.7	98.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	3.1	92.1	94.0	95.6	97.6	98.8	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 234

JOINT CLIMATE BRANCH
HEADQUARTERS
FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10457 STATION FT LEONARD WOOD MO

73-31

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18.0-2.00
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	28.8	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	31.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 18000	30.1	71.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	30.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 14000	30.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	30.5	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	31.4	75.3	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	31.4	75.5	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	32.2	76.6	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	32.2	76.5	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	32.4	81.2	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	32.4	82.3	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	32.3	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	32.3	86.3	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	33.1	88.1	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	33.4	88.6	88.8	88.8	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	33.7	89.4	89.6	89.8	90.1	90.1	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	34.5	91.9	92.4	92.7	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	34.6	92.0	92.5	92.8	93.5	93.6	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500	34.7	93.3	93.7	94.1	94.9	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	34.7	93.6	94.2	94.5	95.3	95.5	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	34.7	94.1	94.7	94.9	96.0	96.3	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	34.7	94.3	94.9	95.2	96.3	96.5	97.0	97.1	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	34.7	94.7	95.3	95.5	96.6	96.9	97.5	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	34.7	94.8	95.4	95.8	96.9	97.2	97.8	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	34.7	94.9	95.7	96.0	97.1	97.5	98.1	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	34.9	95.3	96.0	96.4	97.5	97.8	98.4	98.6	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	34.9	95.3	96.0	96.4	97.5	97.8	98.6	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	34.9	95.3	96.3	96.6	97.7	98.1	98.9	99.0	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 430

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEONARD WOOD MC 73-81 OCT 1967

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1100-2300
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	46.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 20000	47.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 18000	47.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 16000	47.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 14000	47.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 12000	48.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	49.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	49.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	51.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 7000	51.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	51.3	81.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 5000	51.5	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4500	52.4	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 4000	52.4	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	52.6	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3000	52.7	86.3	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	52.7	87.0	89.8	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2000	53.2	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	53.2	91.6	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	53.5	92.2	93.1	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	53.5	92.9	93.7	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	53.5	93.1	93.9	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	53.5	93.3	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	53.5	93.3	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	53.5	93.3	94.2	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	53.5	93.3	94.2	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	53.5	93.5	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	53.5	93.5	94.8	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	53.5	93.5	95.0	95.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	53.5	93.5	95.0	95.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100	53.5	93.5	95.0	95.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0	53.5	93.5	95.0	95.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 462

AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AFETAC SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MO
STATION

73-81

YEARS

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.	≥0
NO CEILING	13.7	62.0	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2
≥ 20000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7
IV 18000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.8
IV 16000	14.4	66.5	66.9	67.1	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.8
IV 14000	14.4	66.6	67.3	67.4	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1
IV 12000	14.5	66.1	66.8	69.0	69.2	69.3	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.7
IV 10000	14.4	70.9	71.6	71.9	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.7
IV 9000	14.5	71.0	71.8	72.0	72.4	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.9
IV 8000	15.2	74.1	75.0	75.3	75.7	75.8	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.2
IV 7000	15.3	75.3	76.2	76.5	77.0	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.5
IV 6000	15.4	76.6	77.6	78.0	78.4	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.9
IV 5000	15.5	77.6	78.6	79.3	79.5	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.1
IV 4500	15.6	79.4	80.4	80.9	81.5	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.1
IV 4000	15.7	80.4	81.6	82.2	82.9	83.0	83.1	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.6
IV 3500	15.7	81.5	82.8	83.4	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
IV 3000	15.8	82.9	84.4	85.0	85.7	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.6
IV 2500	15.9	83.9	85.4	86.2	87.0	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.9	87.9	87.9	88.1
IV 2000	16.1	85.5	87.2	88.1	89.1	89.5	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.3
IV 1800	16.2	85.9	87.6	88.5	89.5	89.9	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.7
IV 1500	16.3	86.9	88.7	89.7	91.0	91.3	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.2	92.3
IV 1200	16.4	87.5	89.3	90.4	91.7	92.2	92.5	92.7	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.1
IV 1000	16.4	88.1	90.1	91.2	92.8	93.3	93.6	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.4
IV 900	16.4	88.3	90.3	91.4	93.1	93.6	94.7	94.3	94.4	94.5	94.6	94.6	94.6	94.7	94.7	94.8
IV 800	16.4	88.6	90.7	91.9	93.6	94.2	94.7	95.0	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.5
IV 700	16.4	89.0	91.1	92.4	94.3	95.0	95.5	95.8	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.4
IV 600	16.4	89.1	91.3	92.7	94.9	95.7	96.3	96.7	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.3
IV 500	16.4	89.3	91.6	93.1	95.4	96.4	97.0	97.5	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.3
IV 400	16.4	89.3	91.8	93.2	95.6	96.7	97.5	98.0	98.3	98.5	98.6	98.6	98.7	98.7	98.7	98.9
IV 300	16.4	89.4	91.9	93.2	95.7	96.8	97.7	98.3	98.6	98.9	99.1	99.1	99.1	99.2	99.3	99.4
IV 200	16.4	89.4	91.9	93.2	95.7	96.8	97.7	98.3	98.7	99.0	99.2	99.2	99.3	99.4	99.5	99.6
IV 100	16.4	89.4	91.9	93.2	95.7	96.8	97.8	98.3	98.7	99.0	99.2	99.2	99.3	99.5	99.5	100.0
IV 0	16.4	89.4	91.9	93.2	95.7	96.8	97.8	98.3	98.7	99.0	99.2	99.2	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 4982

JOINT CLIMATE LOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457 FT LEONARD WOOD MO
STATION STATION NAME

74.80

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	37.7	51.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥20000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
18000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
16000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
14000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
12000	42.4	55.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
10000	44.6	57.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
9000	44.6	57.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
8000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
7000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6000	44.6	60.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
5000	44.6	62.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
4500	44.6	62.0	64.1	64.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
4000	44.6	62.0	64.1	64.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3500	44.6	62.0	64.1	64.1	65.2	65.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
3000	44.6	64.1	67.4	67.4	69.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2500	44.6	65.2	70.7	70.7	72.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
2000	44.6	67.4	73.9	73.9	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
1800	44.6	67.4	73.9	73.9	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
1500	44.6	68.5	75.0	75.0	77.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1200	44.6	70.7	77.2	77.2	79.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
1000	44.6	75.0	81.5	81.5	83.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
900	44.6	75.0	81.5	81.5	83.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
800	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
700	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
600	44.6	77.2	83.7	83.7	85.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
500	44.6	80.4	87.0	87.0	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
400	44.6	81.5	88.1	88.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
300	44.6	81.5	89.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
200	44.6	81.5	89.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
100	44.6	81.5	89.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
0	44.6	81.5	89.1	89.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2

TOTAL NUMBER OF OBSERVATIONS 92

USAF CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 14431 STATION NAME FT LEONARD 4000 MC

74

YEARS

NOV

300-0501
FORM 15

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.8	61.0	67.7	60.0	60.0	63.0	60.0	50.0	60.0	50.0	60.0	60.0	67.0	60.0	60.0	60.0
≥20000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 16000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 10000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	42.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 7000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 6000	42.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 5000	42.2	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 4500	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 4000	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3500	42.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 3000	42.2	71.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 2500	42.2	72.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2000	42.2	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1800	42.2	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1500	42.2	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 1200	42.2	81.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1000	42.2	84.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 900	42.2	84.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 800	42.2	84.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 700	42.2	85.6	86.7	86.7	87.8	87.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 600	42.2	85.6	86.7	86.7	87.8	87.8	90.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 500	42.2	85.6	86.7	86.7	87.8	87.8	92.2	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	42.2	85.6	86.7	86.7	87.8	87.8	92.2	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	42.2	85.6	86.7	87.8	91.1	95.6	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 90

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	45.5	45.5	47.0	47.6	47.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.4	48.5
≥ 20000	11.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 18000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 16000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 14000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 12000	10.1	48.6	49.7	50.3	50.8	51.0	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.9
≥ 10000	10.3	52.3	53.7	54.2	55.2	55.3	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.3
≥ 9000	10.3	52.4	53.9	54.3	55.3	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.4
≥ 8000	10.3	54.1	55.4	56.0	56.9	57.2	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.2
≥ 7000	10.3	55.3	56.7	57.2	58.2	58.4	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.4
≥ 6000	10.3	55.8	57.2	57.7	58.7	59.0	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.9
≥ 5000	10.5	55.6	60.2	60.7	61.7	62.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.2
≥ 4500	10.9	59.8	61.4	62.0	62.9	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.4
≥ 4000	11.1	60.2	61.8	62.4	63.3	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.8
≥ 3500	11.4	61.7	63.3	63.9	64.8	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.9	65.9	66.3
≥ 3000	12.4	64.0	65.8	66.3	67.4	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.5	68.9
≥ 2500	12.5	65.5	67.3	67.8	68.9	69.3	69.7	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.4
≥ 2000	12.5	68.8	70.9	71.6	72.8	73.2	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	74.3
≥ 1800	12.5	69.0	71.2	72.0	73.2	73.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.7
≥ 1500	12.5	72.3	74.7	75.5	77.2	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.7
≥ 1200	12.5	73.5	76.1	76.9	79.1	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.6
≥ 1000	12.7	74.9	77.6	78.7	81.4	81.8	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	83.2
≥ 900	12.9	74.9	77.6	78.7	81.4	81.8	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7	83.2
≥ 800	13.0	75.7	78.7	79.9	82.7	83.3	83.8	84.0	84.1	84.2	84.4	84.4	84.4	84.5	84.5	84.9
≥ 700	13.3	76.2	79.3	80.4	84.2	84.9	85.5	85.6	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.5
≥ 600	13.3	76.4	79.6	81.0	85.1	85.7	86.5	86.7	86.8	87.0	87.1	87.1	87.1	87.2	87.4	87.8
≥ 500	13.3	76.5	80.0	81.5	86.1	87.2	88.6	88.7	89.1	89.3	89.4	89.4	89.4	89.5	89.7	90.1
≥ 400	13.3	76.8	80.4	82.2	86.8	88.3	89.7	89.9	90.5	91.0	91.3	91.3	91.3	91.4	91.6	92.0
≥ 300	13.3	77.0	80.7	82.5	87.1	88.5	90.5	90.9	91.8	92.5	92.9	92.9	92.9	93.2	93.6	94.0
≥ 200	13.3	77.0	80.7	82.5	87.1	88.5	90.5	90.9	91.8	92.5	92.9	92.9	92.9	93.2	93.6	94.0
≥ 100	13.0	77.0	80.7	82.5	87.1	88.5	90.8	91.4	92.7	93.6	94.2	94.4	94.4	94.4	94.8	95.1
≥ 0	13.3	77.0	80.7	82.5	87.1	88.5	90.8	91.4	92.7	93.6	94.2	94.4	94.4	94.4	94.8	95.1

TOTAL NUMBER OF OBSERVATIONS 73

AL CLIMATOLOGY BRANCH
STATION
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 1457 FT LEONARD WOOD MO STATION NAME

73-81 YEARS

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

953-1107 FORM 1-57

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	1.7	46.4	46.7	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	1.7	50.7	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	1.7	50.8	51.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	1.7	50.8	51.2	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	1.7	50.9	51.3	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	1.7	51.5	51.9	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	1.7	54.6	55.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	1.7	54.8	55.3	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	1.7	57.6	58.2	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	1.7	58.6	59.2	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 6000	1.7	59.6	60.2	60.7	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 5000	1.7	62.2	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	1.7	63.2	64.3	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	1.7	64.2	65.3	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	2.2	66.7	67.1	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3000	2.2	67.9	69.0	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2500	2.2	70.1	71.2	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2000	2.2	74.3	75.5	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	2.2	75.3	76.5	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	2.2	76.9	78.4	79.5	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1200	2.2	78.5	81.3	82.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	2.2	80.8	82.9	84.2	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	2.2	81.7	83.2	84.6	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	2.2	81.7	83.9	85.8	87.9	88.1	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	2.2	82.2	84.4	86.3	88.9	89.2	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	2.2	82.3	84.7	86.5	89.5	90.0	90.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 500	2.2	82.3	84.9	86.9	90.4	91.2	91.8	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.7	92.7
≥ 400	2.2	82.6	85.2	87.4	91.0	92.0	93.0	93.7	93.9	94.2	94.2	94.2	94.2	94.2	94.4	94.7
≥ 300	2.2	82.6	85.4	87.6	91.7	93.2	94.7	95.8	96.0	96.5	97.0	97.0	97.0	97.3	97.5	97.8
≥ 200	2.2	82.6	85.4	87.6	91.7	93.3	94.8	96.0	96.3	96.9	97.4	97.5	97.5	97.8	98.1	98.6
≥ 100	2.2	82.6	85.4	87.8	91.7	93.3	94.8	96.2	96.4	97.0	97.5	97.7	97.7	97.9	98.5	99.3
≥ 0	2.2	82.6	85.4	87.8	91.7	93.3	94.8	96.2	96.4	97.0	97.5	97.7	97.7	97.9	98.5	99.3

TOTAL NUMBER OF OBSERVATIONS 809

AL CLIMATOLOGY BRANCH
ETAC
PATH - SERVICE/AC

CEILING VERSUS VISIBILITY

457 11 LEONARD WOOD RD
STATION NAME

73-61

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1250-1420

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	2.2	47.9	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	2.2	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	2.2	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	2.2	53.1	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	2.4	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	2.4	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	2.4	57.2	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	2.4	57.2	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	2.4	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	2.4	61.5	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	2.4	63.2	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	2.4	66.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4500	2.4	66.7	67.5	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	2.4	67.9	68.7	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500	2.5	70.5	71.3	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3000	2.5	74.7	75.6	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	2.5	77.3	78.5	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	2.5	79.2	80.6	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800	2.5	79.3	80.6	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	2.5	81.8	83.1	83.9	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	2.5	83.4	84.9	85.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	2.5	84.4	86.1	86.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	2.5	84.5	86.4	87.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	2.5	84.6	86.7	89.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	2.5	85.5	87.7	89.3	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	2.5	85.5	87.8	89.6	93.4	93.8	94.3	94.4	94.5	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥ 500	2.5	85.6	88.1	90.0	93.9	94.3	94.8	94.9	95.0	95.2	95.2	95.3	95.4	95.4	95.4	95.4
≥ 400	2.5	85.8	88.5	90.4	94.5	95.4	96.0	96.2	96.5	96.7	96.7	96.8	96.9	96.9	96.9	96.9
≥ 300	2.5	86.4	89.3	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.1	98.4	98.5	98.7	99.0	99.0
≥ 200	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7
≥ 100	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7
≥ 0	2.5	86.4	88.8	90.9	95.2	96.0	97.1	97.3	97.9	98.0	98.4	99.0	99.3	99.5	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE/NAVY

CEILING VERSUS VISIBILITY

457 STATION NO. LEONARD WOOD MC
 STATION NAME

73-51

YEAR

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15.00-17.00

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	3.4	47.5	51.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥20000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
18000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
16000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
14000	3.4	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
12000	3.4	55.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
10000	3.4	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
9000	3.4	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
8000	3.4	60.5	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
7000	3.4	61.6	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
6000	3.4	63.0	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
5000	3.7	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
4500	3.7	65.6	64.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	3.7	67.3	71.1	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
3500	3.7	72.3	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	3.7	75.4	77.4	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
2500	3.7	79.4	81.7	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
2000	3.7	80.3	81.5	82.5	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1800	3.7	80.5	81.8	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
1500	3.7	82.3	83.5	84.6	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1200	3.7	83.7	85.0	86.5	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1000	3.7	85.0	86.5	88.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
900	3.7	85.3	87.2	88.8	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
800	3.7	85.7	87.8	89.5	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
700	3.7	85.9	88.1	89.9	92.9	93.1	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600	3.7	86.0	88.3	90.1	93.6	93.9	94.4	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
500	3.7	86.2	88.4	90.5	94.3	94.6	95.6	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
400	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
300	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
200	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
100	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6
0	3.7	86.4	88.7	90.8	94.5	95.0	96.1	96.6	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 100

AL CLIMATOLOGY BRANCH
ETAC
FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

45° STATION NAME
LEONARD WOOD MD

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	17.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	27.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	27.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	28.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	29.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	29.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	30.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	30.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 6000	30.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	30.9	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	31.5	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	32.2	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	33.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	33.5	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	34.4	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2000	35.3	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	35.4	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1500	35.1	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	36.5	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	36.3	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 900	36.5	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	36.9	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 700	36.9	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	37.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500	37.1	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	37.1	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 300	37.0	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200	37.0	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100	37.0	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 0	37.0	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS 794

U.S. AIR FORCE
CLIMATE BRANCH
ETAC
WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

457
STATION

LT LEONARD 4000 MD
STATION NAME

73-81
YEARS

204
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1120-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	53.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1800	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1500	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1200	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 900	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 600	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 684

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 74457 FT LEONARD WOOD MO

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	13.3	49.7	50.1	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥20000	13.3	54.1	54.5	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	13.3	54.1	54.5	54.6	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 16000	13.3	54.1	54.5	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 14000	13.3	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	14.1	54.8	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7
IV 10000	14.4	57.2	57.8	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3
IV 9000	14.4	57.3	57.7	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	14.6	59.4	59.9	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 7000	14.6	60.4	61.0	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	14.7	61.4	62.0	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	14.7	63.9	64.5	64.9	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	15.3	65.7	66.5	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	15.4	66.6	67.4	67.9	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3500	15.6	68.7	69.5	70.0	70.3	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 3000	16.4	72.0	73.0	73.4	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 2500	16.7	74.2	75.4	75.9	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2000	16.8	76.8	78.1	78.7	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 1800	16.9	77.2	78.5	79.1	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	17.2	79.6	80.9	81.7	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1200	17.3	81.2	82.7	83.5	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	17.4	82.6	84.2	85.1	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 900	17.4	82.9	84.7	85.6	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800	17.5	83.7	85.6	86.7	88.7	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	17.5	84.3	86.7	87.4	89.9	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	17.5	84.5	86.6	87.9	90.7	91.3	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 500	17.5	84.7	86.9	88.4	91.5	92.3	93.1	93.3	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	17.5	84.9	87.1	88.7	92.0	93.0	94.1	94.5	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	17.5	85.0	87.4	89.1	92.6	93.7	95.2	95.7	96.4	96.9	97.2	97.3	97.4	97.6	97.7	97.8
IV 200	17.5	85.0	87.4	89.1	92.6	93.9	95.4	96.0	96.8	97.6	98.0	98.2	98.3	98.7	99.0	99.1
IV 100	17.5	85.0	87.4	89.1	92.7	93.9	95.4	96.0	96.8	97.6	98.0	98.2	98.4	98.9	99.3	99.9
IV 0	17.5	85.0	87.4	89.1	92.7	93.9	95.4	96.0	96.8	97.6	98.0	98.2	98.4	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 4773

LOCAL CLIMATOLOGY BRANCH
ETAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 14457 FT LEONARD WOOD MO
STATION NAME

73-75

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 18000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 14000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 12000	33.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 10000	31.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	31.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 7000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 5000	31.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4500	34.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 4000	34.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	35.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3000	35.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 2500	35.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 2000	35.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	35.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	35.4	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1200	35.4	77.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1000	35.4	81.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 900	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 700	35.4	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 600	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 500	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 400	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 300	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 200	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 100	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 0	35.4	86.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3

TOTAL NUMBER OF OBSERVATIONS 79

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

437 FT LEONARD WOOD MO

74

66

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1322-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥0
NO CEILING	21.7	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 18000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 12000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 10000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 9000	23.3	45.0	48.3	46.3	46.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 8000	23.3	46.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	23.3	46.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	23.3	46.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000	23.3	46.7	50.0	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 4500	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3000	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 2500	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 2000	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 1800	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 1500	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 1200	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 1000	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 900	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 800	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 700	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 600	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 500	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 400	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 300	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 200	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 100	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 0	23.3	51.7	61.7	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3

TOTAL NUMBER OF OBSERVATIONS 62

CENTRAL CLIMATOLOGY BRANCH
ETAC
AIR PATH SERVICE/HAC

CEILING VERSUS VISIBILITY

004457
STATION

FT LEONARD WOOD MC
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-7000
FOOT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	9.6	43.5	44.3	44.3	41.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	9.9	43.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 18000	9.9	45.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 16000	9.9	45.9	46.7	46.7	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0
≥ 14000	9.9	46.1	46.9	46.9	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	10.2	46.4	47.3	47.3	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6	48.6
≥ 10000	10.2	49.8	50.7	50.7	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0
≥ 9000	10.2	49.8	50.7	50.7	51.5	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0
≥ 8000	10.3	51.5	52.3	53.1	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.6	54.6
≥ 7000	10.4	53.0	54.0	54.3	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.9	55.9
≥ 6000	10.7	54.4	55.4	55.7	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3	57.3
≥ 5000	11.3	57.5	58.5	58.9	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.4	60.4
≥ 4500	11.3	59.2	60.2	60.5	61.8	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.4	62.4
≥ 4000	11.5	59.5	60.5	60.8	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7
≥ 3500	12.1	61.1	62.1	62.4	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3
≥ 3000	12.1	62.8	63.9	64.2	65.5	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.2
≥ 2500	12.3	65.1	66.1	66.3	67.6	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4
≥ 2000	12.3	67.3	68.4	68.7	70.0	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8
≥ 1800	12.5	68.2	69.2	69.5	70.9	71.1	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8
≥ 1500	12.7	70.7	71.8	72.1	73.4	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.5	74.5
≥ 1200	12.7	72.3	73.4	73.9	75.3	75.6	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.5	76.5
≥ 1000	13.2	75.5	76.8	77.2	79.4	79.7	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6
≥ 900	13.2	76.3	77.8	78.2	80.8	81.1	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.1	82.1
≥ 800	13.4	77.5	79.1	80.0	82.7	83.2	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.6	84.6
≥ 700	13.4	78.1	79.7	80.7	83.7	84.2	84.9	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.8	85.8
≥ 600	13.4	79.0	80.7	81.9	85.1	85.5	86.2	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.5	87.5
≥ 500	13.4	79.4	81.1	82.3	85.9	86.4	87.2	87.8	88.4	88.5	88.5	88.5	88.5	88.5	88.8	88.8
≥ 400	13.4	79.8	81.9	83.0	87.2	87.8	89.0	90.1	91.0	91.1	91.3	91.4	91.4	91.4	91.7	91.7
≥ 300	13.4	79.8	82.0	83.2	87.7	88.5	89.8	91.4	93.0	93.6	93.3	93.9	94.0	94.2	94.6	95.4
≥ 200	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.1	96.8	97.8
≥ 100	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.2	97.5	100.0
≥ 0	13.4	79.8	82.1	83.3	88.0	89.0	90.3	92.0	94.0	95.1	95.4	95.5	95.8	96.2	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 682

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

457 FT LEOHARD WOOD MC
 STATION NAME

73-41

26C

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-117

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	44.1	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.1
≥20000	48.1	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2
≥18000	45.1	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.3
≥16000	48.2	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.4
≥14000	48.6	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	50.0
≥12000	49.2	49.4	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.4
≥10000	53.0	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.5
≥9000	53.0	53.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.5
≥8000	1.1	56.2	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.1
≥7000	1.1	56.5	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.4
≥6000	1.1	57.4	58.0	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.9
≥5000	1.1	57.1	60.3	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.5	61.6
≥4500	1.1	60.4	61.1	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.9
≥4000	1.1	61.5	62.8	63.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8	64.1
≥3500	1.1	62.1	64.2	64.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.4
≥3000	1.1	64.5	65.9	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9	67.1
≥2500	1.1	67.7	69.7	70.1	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.5
≥2000	1.1	70.6	72.8	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.6
≥1800	1.1	70.9	73.3	73.7	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	75.0
≥1500	1.1	72.0	74.5	75.0	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.7	76.7	77.2
≥1200	1.4	74.2	76.3	77.3	78.7	78.9	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.6
≥1000	1.4	74.9	78.0	78.5	80.5	80.7	81.0	81.0	81.3	81.5	81.5	81.5	81.5	81.6	81.6	81.9
≥900	1.4	75.1	79.3	79.1	81.9	82.2	82.4	82.4	82.8	83.0	83.0	83.0	83.0	83.1	83.1	83.5
≥800	1.4	76.0	79.3	80.0	83.5	83.9	84.4	84.6	85.2	85.4	85.4	85.4	85.4	85.5	85.5	85.9
≥700	1.4	76.2	79.8	80.7	84.6	84.9	85.6	85.8	86.5	86.7	86.7	86.7	86.7	86.8	86.8	87.1
≥600	1.4	76.4	80.1	81.2	85.2	85.6	86.6	87.0	87.8	88.0	88.0	88.0	88.0	88.2	88.2	88.5
≥500	1.4	76.4	80.1	81.5	85.6	86.1	87.6	88.0	89.4	89.7	90.2	90.2	90.2	90.4	90.4	90.7
≥400	1.4	76.4	80.3	81.7	86.5	87.1	88.9	89.6	91.1	91.6	92.1	92.1	92.1	92.3	92.3	92.9
≥300	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.5	93.3	94.1	95.3	95.5	96.1	96.1	96.4	96.7
≥200	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.6	96.5	96.9	97.6	97.7	98.4	98.7
≥100	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.7	96.7	97.0	97.8	98.1	99.0	100.0
≥0	1.4	76.4	80.4	81.9	87.2	88.2	90.1	91.6	93.7	94.7	96.7	97.0	97.8	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 236

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
WRIGHT
FATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

450
STATION

LEONARD WOOD MO
STATION NAME

73-31
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 8000	58.5	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 7000	59.4	59.4	59.4	59.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 6000	59.6	59.7	59.7	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 5000	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4500	62.2	62.4	62.4	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	63.3	63.4	63.4	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	65.2	65.5	65.5	65.5	65.9	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000	67.6	68.1	68.1	68.1	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2500	71.1	71.7	71.7	71.7	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	74.0	74.7	74.7	74.7	75.6	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1800	74.2	75.1	75.1	75.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1600	75.6	76.8	77.4	77.4	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1400	77.2	79.0	79.9	79.9	81.7	81.8	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	78.7	80.8	82.2	82.2	84.1	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 800	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 700	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 500	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 400	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 300	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 200	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 100	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 0	80.2	82.3	83.4	83.4	85.3	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9

TOTAL NUMBER OF OBSERVATIONS 237

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4457 FT LEONARD WOOD MO

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	1.0	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000	1.0	50.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 12000	1.0	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 10000	1.0	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 9000	1.0	55.7	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	1.0	59.6	59.1	59.1	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 7000	1.0	59.7	60.1	60.4	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	1.0	61.1	60.6	60.9	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 5000	1.0	61.8	62.3	62.5	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 4500	1.0	64.6	65.4	65.7	66.1	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000	1.0	65.7	66.6	66.9	67.3	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3500	1.0	67.2	69.2	69.4	69.1	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	1.0	69.5	70.5	70.6	71.5	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 2500	1.0	71.5	72.6	73.0	73.7	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2000	1.0	75.5	76.6	77.1	77.8	78.2	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800	1.0	76.6	77.7	78.4	79.1	79.5	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	1.0	78.9	80.2	81.4	82.5	82.8	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	1.0	80.2	81.8	83.4	84.5	84.9	85.2	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	1.0	81.3	83.1	85.2	86.3	86.9	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	1.0	81.8	83.6	85.7	86.8	87.4	88.1	88.1	88.1	88.4	88.5	88.6	88.7	88.7	88.7	88.7
IV 800	1.0	82.2	84.3	86.8	88.2	89.1	90.2	90.2	90.2	90.5	90.6	90.6	90.9	90.9	91.1	91.1
IV 700	1.0	82.2	84.4	87.0	88.5	89.3	90.5	90.5	90.5	91.1	91.2	91.4	91.6	91.6	91.8	91.8
IV 600	1.0	82.5	84.6	87.4	89.2	90.3	91.6	91.6	91.7	92.4	92.6	92.7	92.9	92.9	93.2	93.2
IV 500	2.0	82.6	84.8	87.6	89.8	91.0	92.6	92.8	93.2	94.1	94.4	94.5	94.8	94.8	95.1	95.1
IV 400	2.0	82.6	84.8	88.0	90.6	92.0	93.6	94.0	94.4	95.7	96.0	96.2	96.9	97.0	97.2	97.2
IV 300	2.0	82.6	84.8	88.0	91.0	92.3	94.4	94.8	95.2	96.5	96.9	97.1	98.1	98.2	98.4	98.4
IV 200	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.0	99.2	99.5	99.5
IV 100	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.2	99.4	99.8	99.8
IV 0	2.0	82.6	84.8	88.0	91.0	92.3	94.4	95.0	95.3	97.2	97.7	98.0	99.2	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 133

ETAC CLIMATOLOGY BRANCH
TAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 457 FT LEONARD WOOD MO STATION NAME

73-21

YEAR

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-2-100
500-100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	24.0	45.1	42.3	49.3	42.3	40.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	24.0	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	24.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	24.4	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000	24.4	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 12000	25.2	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	26.5	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	26.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	27.5	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	27.5	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	28.5	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	29.2	64.7	65.0	65.0	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	29.2	66.9	67.4	67.5	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	29.2	67.1	67.6	67.7	67.7	67.7	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 3500	29.5	68.9	69.6	69.7	69.7	69.7	69.9	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	30.0	71.1	71.8	72.1	72.1	72.1	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	30.3	72.6	73.5	73.7	73.7	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	30.5	77.8	73.7	75.0	72.0	79.2	79.8	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800	30.7	79.0	80.2	80.2	80.2	80.4	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	31.1	81.9	82.9	83.3	83.3	83.6	84.4	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	31.1	83.4	84.6	85.3	85.3	85.7	86.4	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	31.1	84.5	85.8	86.8	86.9	87.4	88.1	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	31.1	85.5	86.9	87.8	87.9	88.4	89.1	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	31.1	85.8	87.2	88.1	88.5	89.1	89.9	90.2	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	31.1	86.6	87.9	88.9	89.2	89.9	90.6	91.0	91.0	91.3	91.4	91.4	91.4	91.7	91.7	91.7
≥ 600	31.1	87.2	88.5	89.6	90.1	91.1	91.8	92.2	92.2	92.5	92.7	92.7	92.7	92.9	93.0	93.2
≥ 500	31.1	87.5	89.1	90.2	91.2	92.3	93.5	93.9	93.9	94.3	94.4	94.4	94.4	94.6	94.7	95.1
≥ 400	31.1	87.7	89.4	90.5	91.8	93.0	94.9	95.2	95.4	95.7	95.8	95.8	95.8	96.1	96.2	96.6
≥ 300	31.1	87.7	89.4	90.5	92.1	93.5	95.5	95.8	96.0	96.6	96.8	96.8	96.8	97.1	97.2	97.6
≥ 200	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9
≥ 100	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9
≥ 0	31.1	87.8	89.5	90.6	92.4	94.0	96.2	96.9	97.1	98.4	98.8	98.8	98.8	99.0	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS 518

LOCAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1457
STATION

ST LEONARD WOOD MD
STATION NAME

73-61
YEAR

REC
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2000
NO. OF DAYS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.3	51.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 18000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 12000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 10000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 9000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 8000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 7000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 6000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 5000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 4500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 4000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 3500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 3000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 2500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 2000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1800	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1200	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 1000	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 900	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 800	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 700	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 600	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 500	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 400	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 300	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 200	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 100	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 0	24.2	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

TOTAL NUMBER OF OBSERVATIONS 582

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 ETAC
 WITH A SERVICE/NAO

CEILING VERSUS VISIBILITY

7457 STATION NAME
 FT LEONARD WOOD MO

73-61

DEL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	10.3	46.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	10.3	46.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	10.6	49.9	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	10.6	49.9	50.4	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	10.6	50.1	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	10.7	50.9	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	11.2	54.4	54.7	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	11.3	54.6	55.1	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	11.4	57.1	57.3	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	11.6	58.2	58.4	59.0	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	11.5	58.9	59.5	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 5000	12.3	60.8	61.5	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4500	12.1	63.0	63.3	63.9	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	12.1	63.3	64.6	64.8	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	12.4	65.5	66.3	66.6	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	12.5	67.4	68.4	68.6	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 2500	12.7	69.4	71.0	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	12.7	73.4	74.5	74.8	75.6	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1800	12.8	74.1	75.3	75.7	76.4	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	13.1	76.5	77.9	78.5	79.4	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	13.1	78.2	79.8	80.6	81.7	82.0	82.1	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1000	13.1	79.8	81.6	82.7	84.1	84.5	84.8	84.9	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3
≥ 900	13.1	80.4	82.4	83.5	85.2	85.6	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	13.2	81.2	83.3	84.6	86.5	87.0	87.7	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	13.2	81.6	83.8	85.2	87.3	87.8	89.5	88.6	89.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3
≥ 600	13.2	82.0	84.3	85.8	88.2	88.9	89.6	89.9	90.2	90.6	90.6	90.7	90.7	90.7	90.7	90.7
≥ 500	13.2	82.3	84.6	86.4	89.1	89.9	91.1	91.4	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6
≥ 400	13.2	82.4	84.8	86.8	90.1	91.0	92.5	93.0	93.6	94.2	94.5	94.6	94.6	94.6	94.6	94.6
≥ 300	13.2	82.4	84.9	86.9	90.5	91.6	93.3	94.1	94.9	95.8	96.3	96.5	96.5	96.5	96.5	96.5
≥ 200	13.2	82.4	84.9	86.9	90.6	91.8	93.5	94.5	95.4	96.6	97.4	97.6	97.6	97.6	97.6	97.6
≥ 100	13.3	82.4	84.9	86.9	90.6	91.8	93.6	94.6	95.5	96.7	97.5	97.7	97.7	97.7	97.7	97.7
≥ 0	13.2	82.4	84.9	86.9	90.6	91.8	93.6	94.6	95.5	96.7	97.5	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 4774

U.S. AIR FORCE CLIMATE BRANCH
 AFETAC
 1000 EAST 10TH SERVICE ROAD

CEILING VERSUS VISIBILITY

451 ST. LEONARD WOOD MO
 STATION NAME

73-81

YEAR

ALL

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	9.5	50.6	51.7	52.5	53.1	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
≥20000	10.1	56.0	57.4	58.1	58.8	59.0	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5
≥18000	10.1	56.1	57.5	58.2	58.9	59.1	59.3	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥16000	10.1	56.1	57.5	58.2	58.9	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥14000	10.1	56.5	57.6	58.6	59.3	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9
≥12000	10.2	57.4	58.3	59.5	60.3	60.5	60.7	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
≥10000	10.2	58.6	62.4	63.2	64.0	64.2	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7
≥9000	10.2	60.9	62.5	63.3	64.1	64.3	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥8000	10.2	64.0	65.7	66.6	67.4	67.7	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2
≥7000	10.3	65.1	66.8	67.7	68.6	68.9	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5
≥6000	11.1	68.1	67.0	68.9	69.7	70.1	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
≥5000	11.3	67.3	69.0	71.9	72.0	72.2	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.9
≥4500	11.4	67.5	71.6	72.7	73.6	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7
≥4000	11.5	71.9	73.1	74.2	75.4	75.7	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4
≥3500	11.6	72.5	74.7	75.9	77.2	77.5	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2
≥3000	11.7	74.9	77.2	78.5	79.9	80.3	80.6	80.7	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0
≥2500	12.1	76.4	78.9	80.3	81.7	82.2	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	83.0	83.0
≥2000	12.2	78.3	81.0	82.5	84.1	84.5	84.9	85.1	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4
≥1800	12.2	78.7	81.4	82.9	84.6	85.0	85.4	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9	86.0
≥1500	12.3	80.4	83.2	84.9	86.8	87.3	87.8	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4
≥1200	12.4	81.3	84.3	86.1	88.1	88.6	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8
≥1000	12.4	82.3	85.5	87.4	89.6	90.3	90.8	91.1	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.7
≥900	12.4	82.7	85.8	87.8	90.2	90.9	91.5	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3
≥800	12.4	83.0	86.3	88.4	91.0	91.7	92.4	92.7	93.0	93.1	93.2	93.2	93.3	93.3	93.4	93.4
≥700	12.4	83.3	86.7	88.8	91.6	92.4	93.2	93.6	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.3
≥600	12.4	83.5	86.9	89.2	92.2	93.1	94.0	94.5	94.8	95.0	95.1	95.2	95.3	95.3	95.3	95.4
≥500	12.4	83.7	87.2	89.5	92.7	93.7	94.8	95.3	95.7	96.0	96.2	96.2	96.4	96.4	96.5	96.5
≥400	12.5	83.6	87.3	89.7	93.0	94.1	95.4	96.1	96.7	97.1	97.3	97.4	97.5	97.6	97.7	97.7
≥300	12.5	83.8	87.3	89.7	93.2	94.3	95.8	96.6	97.3	97.8	98.1	98.2	98.4	98.4	98.6	98.7
≥200	12.5	83.8	87.3	89.7	93.2	94.4	95.9	96.7	97.5	98.1	98.5	98.6	98.9	99.0	99.2	99.4
≥100	12.5	83.3	87.3	89.7	93.2	94.4	95.9	96.8	97.5	98.2	98.6	98.7	99.0	99.2	99.5	99.9
≥0	12.5	83.8	87.3	89.7	93.2	94.4	95.9	96.8	97.5	98.2	98.6	98.7	99.0	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 50973

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY
SIGNIFICANT.

SKY COVER

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	36.6			13.0						6.8	43.5	5.4	161
	3-05	37.3			11.9						5.9	44.9	5.4	185
	6-08	21.4			18.2						13.6	46.9	6.5	782
	09-11	16.0			21.4						15.0	48.6	6.8	835
	12-14	16.2			21.7						14.0	48.1	6.7	834
	15-17	14.3			22.2						18.0	45.5	6.8	830
	18-20	17.8			23.3						15.5	43.4	6.4	804
	21-23	31.9			12.1						11.2	44.7	5.8	642
TOTALS		23.0			17.9						12.5	45.7	6.2	5073

SKY COVER

FEB
MONTH

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	32.9			5.6						3.0	57.5	6.2	167
	03-05	35.9			5.1						5.1	54.0	6.0	198
	06-08	20.7			16.9						13.8	48.6	6.6	734
	09-11	18.2			21.7						17.1	48.0	7.0	760
	12-14	12.4			21.0						20.6	46.0	7.1	751
	15-17	13.2			21.0						21.4	44.4	7.0	757
	18-20	20.1			21.1						15.7	43.2	6.4	741
	21-23	33.3			14.0						10.9	41.8	5.6	615
TOTALS		22.7			15.9						13.5	47.9	6.5	4733

SKY COVER

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
00-02	20.4				10.8						11.8	57.0	7.1	186
03-05	19.0				15.7						7.9	57.4	6.9	216
06-08	16.6				19.9						15.6	47.8	6.8	793
09-11	13.6				22.0						15.5	49.0	7.0	833
12-14	12.0				21.5						22.2	44.3	7.1	836
15-17	11.0				22.2						23.4	43.4	7.1	837
18-20	15.7				24.3						20.5	39.6	6.5	836
21-23	27.8				20.2						12.0	40.0	5.7	702
TOTALS	17.0				19.6						16.1	47.3	6.8	5239

SKY COVER

APP

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	35.0			6.7						7.8	50.6	6.0	180
	03-05	32.4			10.2						8.9	48.4	6.0	225
	06-08	18.8			20.8						15.4	45.0	6.5	775
	09-11	16.3			22.6						18.1	43.0	6.6	810
	12-14	10.6			27.3						20.6	41.5	6.8	810
	15-17	9.4			28.2						25.7	36.7	6.8	809
	18-20	17.6			20.8						24.5	37.2	6.5	809
	21-23	32.0			18.7						12.1	37.2	5.4	659
TOTALS		21.5			19.4						16.6	42.5	6.3	5077

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

427

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAY	00-02	50.5			20.1						9.8	19.6	3.4	184
	03-05	25.2			24.9						15.5	34.3	5.6	361
	06-08	14.7			20.8						23.7	40.0	6.8	817
	09-11	8.7			24.3						24.5	42.5	7.2	836
	12-14	6.1			21.3						35.2	37.4	7.5	835
	15-17	7.1			26.9						35.4	30.5	7.1	835
	18-20	12.8			29.4						28.9	28.8	6.4	833
	21-23	30.3			28.9						15.4	25.4	4.8	519
TOTALS		17.4			24.6						23.6	32.4	6.1	5220

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

JUN
MON*

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
JUN	30-02	38.5			19.6						10.1	31.8	4.7	179
	03-05	22.2			26.5						18.8	32.4	5.7	324
	06-08	13.6			29.8						22.8	33.8	6.3	793
	09-11	9.3			28.8						30.2	31.7	6.7	805
	12-14	4.3			34.2						33.8	27.7	6.8	810
	15-17	5.3			42.8						29.8	22.1	6.2	810
	18-20	12.0			41.6						24.9	21.5	5.6	759
	21-23	30.7			30.2						17.9	21.2	4.6	424
TOTALS		17.0			31.7						23.5	27.8	5.8	4904

SKY COVER

JUL

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	42.1			25.8						15.1	17.0	3.8	159
	03-05	20.2			35.6						24.9	19.2	5.2	317
	06-08	20.7			29.5						28.2	21.7	5.6	799
	09-11	15.9			36.7						29.0	18.4	5.6	831
	12-14	2.9			40.5						39.4	17.2	6.5	825
	15-17	3.0			43.9						38.3	14.8	6.2	827
	18-20	12.0			41.4						30.9	15.7	5.6	792
	21-23	27.4			37.7						19.1	15.8	4.4	430
TOTALS	12.0				36.4						28.1	17.5	5.4	4980

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724457 FT LEONARD WOOD MO

73-81

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	56.2			16.8						16.8	10.3	3.0	185
	03-05	35.2			25.6						20.5	18.7	4.5	332
	06-08	19.0			30.5						30.1	20.5	5.7	801
	09-11	13.6			36.1						29.2	21.1	5.8	829
	12-14	3.2			40.6						38.3	17.8	6.5	835
	15-17	3.7			46.4						35.6	14.2	6.0	836
	18-20	16.4			43.6						23.1	16.9	5.1	823
	21-23	37.5			29.7						16.1	17.7	4.1	453
TOTALS		23.1			33.5						26.2	17.2	5.1	5094

USAFETAC

FORM
JUL 62

0-9.5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SKY COVER

73-81

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	33.0			12.3						8.9	45.8	5.8	179
	03-05	32.6			17.5						12.0	37.8	5.4	325
	06-08	18.5			29.1						19.5	32.9	5.9	788
	09-11	17.3			30.1						21.0	31.6	6.0	808
	12-14	10.8			31.4						29.4	28.4	6.4	809
	15-17	12.2			34.0						28.8	25.1	6.1	805
	18-20	19.1			31.1						24.9	24.9	5.7	800
	21-23	29.8			27.0						15.7	27.5	5.0	440

SKY COVER

73-81

257

STATION

STATION NAME

PER ON

100%

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	41.6			12.9						11.9	33.7	4.8	151
	03-05	48.1			14.5						12.6	24.8	4.0	262
	06-08	30.5			25.1						15.8	28.6	5.0	809
	09-11	26.1			27.4						20.0	26.6	5.3	836
	12-14	20.5			31.0						22.2	26.3	5.6	835
	15-17	20.4			33.8						22.2	23.7	5.4	835
	18-20	31.2			27.7						16.3	24.8	4.8	830
	21-23	43.5			17.1						14.1	25.3	4.3	462
TOTALS		32.7			23.7						16.9	26.7	4.9	4970

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

124457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS ULST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	37.0			10.9						12.0	40.2	5.4	92
	03-05	41.1			16.7						6.7	35.6	4.7	90
	06-08	21.5			19.2						18.5	40.9	6.3	731
	09-11	16.9			24.7						18.5	39.8	6.4	809
	12-14	16.4			24.2						22.6	36.9	6.4	807
	15-17	13.7			26.4						22.7	37.2	6.6	803
	18-20	25.6			22.7						13.7	38.0	5.7	794
	21-23	38.9			12.7						8.2	40.2	5.1	645
TOTALS		26.4			19.7						15.4	38.6	5.8	4771

SKY COVER

DEC

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8			9	10
JFC	0-02	41.3			5.0						7.5	46.3	5.5	30
	03-05	43.3			3.3						6.7	46.7	5.4	60
	06-08	14.1			27.0						14.1	44.8	6.6	688
	09-11	10.6			26.5						18.1	42.6	6.7	635
	12-14	12.3			25.8						17.8	44.1	5.8	637
	15-17	13.8			23.9						18.8	43.5	5.8	633
	18-20	22.0			21.8						12.6	43.6	6.2	818
	21-23	30.2			15.3						12.0	42.4	5.8	582
TOTALS	23.5				18.8						13.5	44.3	6.2	4733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SKY COVER

14457 FT LEONARD WOOD MO

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	23.9			17.9						12.5	45.7	6.2	5073
FEB		22.7			15.9						13.5	47.9	6.5	4733
MAR		17.0			19.6						16.1	47.3	6.8	5279
APR		21.5			19.4						16.6	42.5	6.3	5077
MAY		19.4			24.6						23.6	32.4	6.1	5220
JUN		17.0			31.7						23.5	27.8	5.8	4904
JUL		18.0			36.4						28.1	17.5	6.4	4980
AUG		23.1			33.5						26.2	17.2	5.1	5094
SEP		21.7			26.6						20.0	31.6	5.8	4955
OCT		32.7			23.7						16.9	26.7	4.9	4970
NOV		25.4			19.7						15.4	38.6	5.8	4771
DEC		23.5			18.8						13.5	44.3	6.2	4733
TOTALS		22.2			24.0						18.8	35.0	5.9	59749

USAFETAC

FORM 0-9.5 (OL1)
JUL 62

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency of centers of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for mean and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

ALCLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE/MAC
 4437 FT LEONARD WOOD MC
 STATION STATION NAME

63-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							1.5	.2					.1
99							4.1	1.9					.5
98						2.1	14.7	9.5	1.3				2.4
97				.4	.7	17.2	45.7	31.2	10.8	1.7			9.3
96				4.2	12.6	44.2	71.9	58.7	27.6	7.1			19.5
95		.2	2.9	17.7	36.4	72.1	88.4	84.4	46.7	18.3	.5		31.6
94	.8	1.2	8.6	31.6	54.1	89.1	96.6	95.9	69.7	32.6	5.5		41.5
93	1.3	3.1	16.1	47.9	73.3	96.5	99.3	98.6	83.8	49.6	14.6	1.8	50.1
92	4.0	7.5	25.8	66.3	85.9	99.3	100.0	99.5	94.1	66.2	28.5	6.8	58.3
91	8.9	13.8	40.7	81.6	95.1	99.8		100.0	98.9	81.8	40.1	14.2	65.9
90	15.9	21.2	53.4	90.0	98.6	100.0			99.6	91.2	53.8	23.7	71.8
89	26.8	33.8	65.2	94.0	99.7				100.0	96.3	65.9	34.1	77.3
88	37.4	45.6	76.3	97.7	100.0					99.5	79.6	46.4	82.7
87	48.8	58.7	84.5	99.6						100.0	88.1	60.6	87.4
86	59.4	72.7	91.9	100.0							94.5	74.9	91.6
85	72.9	84.5	96.8								96.4	87.6	95.3
84	82.4	93.3	99.1								98.9	94.3	97.5
83	91.8	97.5	100.0								100.0	97.3	99.0
82	95.0	99.4										99.5	99.6
81	98.5	100.0										99.8	99.9
80	99.6											100.0	100.0
79	100.0												100.0
78													
77													
76													
75													
74													
73													
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2													
1													
0													
MEAN	75.1	43.0	55.1	65.4	74.9	82.9	88.1	85.9	78.6	69.1	55.4	44.0	65.4
S D	14.552	13.463	13.736	11.606	8.642	6.675	6.866	6.648	8.512	10.502	12.621	12.908	19.802
TOTAL OBS	527	509	558	570	588	570	537	589	557	589	546	558	6750

CLIMATOLOGY BRANCH
 AFETAC
 AIRCRAFT SERVICE/MAC
 487 FT LEONARD WOOD MO
 STATION

63-61

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MIN							1.2						1.2
0						2.3	10.4	6.1	.4				1.7
5				.2	1.2	18.6	46.2	31.6	11.7				9.5
10			.4	3.0	11.7	51.1	78.9	64.0	31.1	3.0			21.0
15			1.4	12.1	32.7	76.3	92.8	87.1	51.3	12.7	1.3	.2	31.0
20		.6	4.3	26.8	55.8	91.9	96.1	96.8	70.7	27.7	6.8	1.3	41.2
25	1.0	2.6	11.3	42.8	74.7	98.6	99.7	99.5	87.8	43.0	14.6	2.9	49.5
30	3.2	5.1	22.0	59.8	89.8	100.0	100.0	100.0	96.1	59.1	26.1	6.6	56.9
35	7.6	10.8	35.1	78.8	97.1				99.3	75.3	41.2	13.1	64.7
40	16.1	19.8	49.1	90.7	99.1				99.8	91.7	60.2	23.3	72.0
45	22.2	25.5	56.1	94.2	99.7				100.0	94.4	69.0	32.8	75.6
50	28.1	37.1	67.9	97.5	100.0					97.6	79.7	46.4	80.3
55	44.0	54.4	83.7	99.8						99.8	90.0	64.0	87.0
60	57.7	70.3	93.2	100.0						100.0	95.3	79.2	91.8
65	73.1	83.7	97.5								97.6	88.9	95.4
70	81.6	91.4	99.1								99.1	93.4	97.2
75	89.4	96.9	99.5								100.0	96.6	98.6
80	95.1	98.4	99.8									98.9	99.4
85	98.3	99.8	100.0									99.8	99.8
90	99.6	100.0										100.0	100.0
95	100.0												100.0
100													
MEAN	21.7	25.5	35.2	47.6	55.1	63.9	68.4	66.2	59.3	47.8	37.6	27.7	46.3
S D	11.8	11.4	11.2	9.5	7.9	6.0	5.5	5.8	8.1	9.7	10.7	11.2	11.3
TOTAL OBS	527	509	558	570	588	570	587	589	557	589	546	558	6750

AL CLIMATOLOGY BRANCH
 AFM TAC
 WEATHER SERVICE/MAC
 437 FT LEONARD WOOD MO
 STATION STATION NAME

63-61

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30							.3						.0
29							3.2	.8					.4
28						1.6	9.9	6.3	.2				1.6
27					1.2	17.5	44.6	31.1	9.0	.5			3.9
26				2.3	10.2	47.0	78.0	62.3	27.3	4.1			19.9
25		.2	1.0	12.3	33.3	76.7	93.0	88.5	51.2	14.4	1.1		31.9
24	.2	.6	5.2	27.7	56.1	93.3	98.8	97.1	71.3	28.4	3.6	.2	41.3
23	.8	2.0	13.3	46.0	75.3	99.5	100.0	99.8	88.7	47.9	13.5	2.0	50.3
22	2.7	5.7	22.2	63.7	90.1	100.0		100.0	97.5	64.3	27.4	6.3	58.0
21	7.6	11.2	37.5	81.8	97.4				99.5	81.8	40.3	12.0	65.4
20	15.9	20.0	52.7	91.8	99.8				100.0	93.7	57.5	22.6	72.4
19	27.3	33.2	68.3	97.7	100.0					99.2	72.8	38.4	79.1
18	40.8	51.3	81.5	100.0						100.0	87.4	55.4	85.5
17	53.7	66.2	91.4								94.2	74.4	90.5
16	66.0	80.4	96.2								97.8	85.5	94.2
15	78.6	89.6	98.7								98.7	92.3	96.7
14	87.3	96.9	99.8								100.0	96.6	98.5
13	94.3	99.0										99.3	99.4
12	97.3	99.8	100.0									99.6	99.7
11	99.5	100.0										100.0	100.0
10	100.0												100.0
9													
8													
7													
6													
5													
4													
3													
2													
1													
MEAN	30.0	34.8	45.4	58.2	65.2	73.7	78.5	76.3	69.2	58.7	46.9	36.1	56.1
S D	13.21	11.73	11.73	9.29	7.61	5.80	5.75	5.60	7.61	9.28	10.99	11.34	18.72
TOTAL OBS	527	529	558	570	588	570	587	589	557	589	548	558	6750

GLOBAL CLIMATOLOGY BRANCH
CRAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM JAIL OBSERVATIONS

124457 FT LEONARD 4000 MC
STATION STATION NAME

WORLD REPORTS 'AHEAD' (U)

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)
JUL 64

EXTREME VALUES

FROM DAILY OBSERVATIONS.

63-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
62				34	33	56	58	55	44	36	24	-2	
64		15	13	29	45	48	52	51	44	29	6	-1	-1
65	-5	0	10	34	41	53	57	49	37	29	13	17	-8
66	-7	9	15	29	32	45	59	51	44	28	18	5	-7
67	5	6	13	31	33	49*	49	47	34	28	21	1	1
68	-10	6	16	28	40	50	51	53*	49	27*	33		
69		19	13	33	40	48	63	57	46	25	18	18	
70	-6	1	17	30	37	54	53	55	39	32	5	10	-6
71	3	-2	14	30	34	59	52	55	46	42	21	22	-2
72	-3	8	20	26	45	45	49	56	39	29	26	7	-3
73	3	7	28	25	39	53	63	58	45	37	23	-2	-2
74	-6	10	6	30	46	49	60	53	44	36	27	18	-6
75	7	4	22	23	43	52	55	60	41	30	15	6	4
76	-4	9	23	35	31	52	54	55	45	27	6	-7	-7
77	-11	7	24	33	43	52	61	61	50	31	8	3	-11
78	-1	-3	-4	37	36	49	64	55	48	32	28	12	-4
79	-6	-8	20	28	38	51	60	53	44	34	17	2	-8
80	4	-1	2	32*	37	55	63	61	49	28	23	4	-1
81	12	-4	27	37	41	52*	58	54	42	23	19	2	-4
MEAN	-1.0	4.6	15.5	30.7	38.7	51.2	57.3	54.7	43.4	30.7	17.7	6.4	-4.7
S.D.	6.432	6.904	8.424	3.856	4.763	3.563	4.832	3.757	4.146	4.643	7.436	8.161	3.903
TOTAL OBS	527	509	558	570	588	570	587	589	557	589	548	558	6750

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS 12.5.11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
4 / 61			1.9															3	3																	
4 / 59			.6															1	1	3																
4 / 57			1.2															2	2		3															
5 / 55	.6	1.2																3	3	4	1															
4 / 53	1.2	.6																3	3	5	4															
2 / 51			.6															1	1		4															
5 / 49			1.2															2	2																	
4 / 47					1.2													2	2	3																
4 / 45			.6		.6													2	2		3															
4 / 43		1.9	2.5	1.2	.6													10	10																	
2 / 41		1.2	3.1	3.7														13	13	4																
4 / 39	2.5	3.7	2.5	1.2	.6													17	17	18	5															
3 / 37	2.5	1.2	1.2	2.5														12	12	14	11															
2 / 35	.6	4.3		1.2														10	10	15	7															
3 / 33		1.9	2.5	2.5														11	11	10	9															
1 / 31			.6	1.2														3	3	9	8															
2 / 29	.6	3.1	1.9															9	9	5	13															
2 / 27	.6	1.9	2.5	.6														9	9	13	6															
1 / 25	.6		1.2															3	3	8	10															
2 / 23		1.9	1.2															5	5	2	8															
2 / 21	1.9	1.2																5	5	10	4															
1 / 19		3.1																5	5	4	6															
1 / 17		3.1	.6															6	6	7	12															
1 / 15		1.9	.6															4	4	5	5															
1 / 13		2.5																4	4	3	3															
1 / 11		2.5																4	4	5	4															
1 / 9	.6	1.2																3	3	4	10															
1 / 7	1.9	1.9																6	6	7	8															
1 / 5		.6																1	1		1															
4 / 3	1.2																	2	2	3	8															
1 / 1																					2															
1 / -1																					3															
1 / -3																					3															

Element (X)

ΣX^2

ΣX

\bar{X}

σ_x

No. Obs.

Mean No. of Hours with Temperature

Total

≤ 0 F

≤ 32 F

≥ 67 F

≥ 73 F

≥ 80 F

≥ 93 F

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1070-3200
HOURS 11.5.7

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

NOISES 5 3

[illegible]

724457 FT LEONARD WOOD MO
STATION STATION NAME

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0300-0500
HOURS L. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 0600-0800
HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
1 / 61		.1																															1	1				
1 / 59		.1																															1	1	2	2		
1 / 57			.1																														1	1				
5 / 55		.1	.2																														3	3				
4 / 53		.8	.1	.1																													9	9	5	2		
2 / 51		.4	.1																														4	4	5	3		
5 / 49		.1	.5																														5	5	4	7		
4 / 47	.3	.9	.3							.3																							13	13	8	3		
4 / 45	.3	.1		.4	.3																												8	8	11	12		
4 / 43	.3	.3	.8	.6																													15	15	4	4		
2 / 41		.9	.4	.1																													11	11	3	4		
4 / 39	.4	1.0	1.0	.4	.4																												25	25	22	7		
3 / 37	.5	2.0	1.9																														35	35	22	11		
3 / 35	.9	3.7	1.2	.3																													47	47	40	15		
3 / 33	.6	4.1	1.4	.5																													52	52	52	22		
2 / 31	.1	3.2	1.8	.1																													41	41	37	47		
1 / 29	.9	3.7	1.3																														46	47	55	55		
1 / 27	.5	6.0	1.0	.1																													60	60	53	35		
1 / 25		3.2	.4																														26	28	52	30		
2 / 23	.1	2.6	.6																														26	26	34	31		
2 / 21	.4	2.8	.8																														31	31	26	56		
1 / 19	.5	7.3	.4																														64	64	34	45		
1 / 17	.1	4.5	.6																														37	37	64	26		
1 / 15	.1	3.5	.5																														32	33	30	36		
1 / 13	.3	2.6	.1																														23	23	32	37		
1 / 11	.6	1.7	.1																														20	20	28	47		
1 / 9	1.2	2.2																															26	26	25	40		
1 / 7	.6	3.1																															29	29	28	20		
1 / 5	.4	1.3																															13	13	21	19		
1 / 3	.6	1.0																															13	13	17	27		
1 / 1	.1	2.4																															20	20	19	29		
1 / -1	.7	.5																															11	11	12	11		
1 / -3	1.2	.8																															15	15	15	15		
1 / -5	.5	.6																															9	9	9	14		
Element (X)	Z _X	Z _X	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO STATION

73-81

YEARS

JAN
MONTH

PAGE 2 0600-2800
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-7	.4	.1																															4	4	5	17
-9	.4																															3	3	4	7	
-11	.1																															1	1	1	17	
-13																																			4	
-15																																			7	
-17																																			5	
-19																																			5	
-21																																			1	
-23																																			1	
-25																																			1	
-27																																			3	
-29																																			1	
TOTAL	13.4	67.2	15.7	2.7			.6	.3																									781	783	781	
																																			791	

PSYCHROMETRIC SUMMARY

73-81

YEARS

JB
HJ

PAGE 1 0900-1100

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 3922-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	Total																	
- / -3		.4	.2															5	5	5	21																		
- / -7			.2															2	2	2	12																		
- / -9		.1																1	1	2	8																		
- / -11																					7																		
- / -13																					6																		
- / -15																					8																		
- / -17																					1																		
- / -19																					1																		
- / -21																					2																		
- / -27																					3																		
TAL	552	224	213	3	3	3	1	1	.6	.1								834		836		834																	

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4104836	57216	64.614	885	934	0 F	32 F	67 F	73 F	80 F	93 F	
Dry Bulb	811720	23488	28.113	452	836	2.3	55.8					92
Wet Bulb	667119	21163	25.412	497	834	2.3	63.6					97
Dew Point	469752	15532	18.614	720	834	10.7	78.2					97

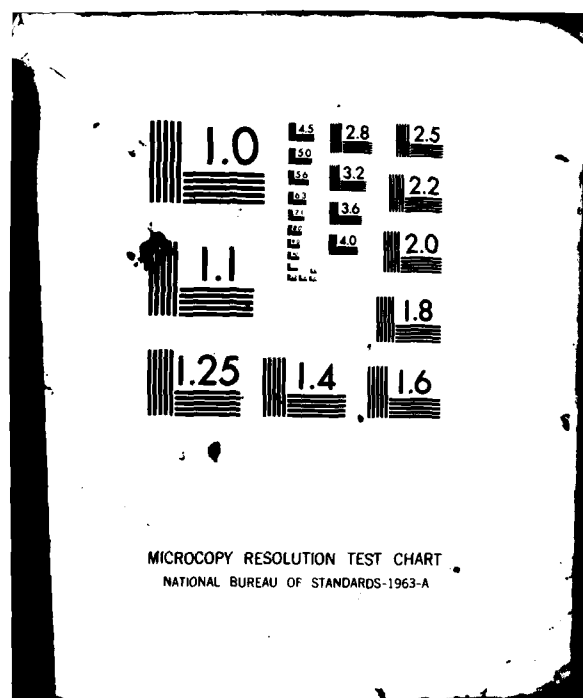
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC (1)
APR 82

SBI-AD-E850 170

NL

4. 5

$\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$



PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 1200-1400
HOURS 11. 5. 7.1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 1		.5																4	4	5	29														
/ -1	.2	.2																4	4	7	17														
- / -3		.1																1	1	1	5														
- / -5		.1																1	1	1	15														
- / -7																					8														
- / -9																					6														
- / -11																					3														
- / -13																					4														
- / -15																					1														
- / -17																					1														
- / -19																					2														
- / -25																					1														
- / -27																																			
TOTAL	3.126	1.25	3.17	0.13	1.8	3.3	2.9	1.2	.8	.1								833	834	833															
																		833		833															

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1	.1	.1																2	2	5	25														
-1	.2	.2																4	4	4	12														
-3																				1	11														
-5																					8														
-7																					7														
-9																					8														
-11																					5														
-13																					1														
-15																					5														
-17																					1														
-25																					3														
TOTAL	2.9	25.1	24.5	15.6	13.8	9.3	6.3	1.2	.6	.7								828	830		828														
																						828	828												

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONT

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-6 / -7																					10
-5 / -9																					3
-1 / -11																					7
-1 / -13																					1
-1 / -15																					3
-1 / -17																					1
-1 / -19																					2
-2 / -25																					1
-2 / -27																					2
TOTAL	4.1	35.6	28.3	17.6	9.9	3.2	.9	.4	.1										807	807	807
																			807	807	

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 1 2100-2300
VOLUME 11, S. 1, 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
63 / 63			.5															3	3					
59 / 59																				3				
57 / 57		.3	.5															5	5	3				
55 / 55		.6																4	4	2				
53 / 53	.2		.3	.3														5	5	2				
51 / 51	.3	.2	.9				.9	.2										16	16	2				
49 / 49		.3		.2			.2											4	4	1				
47 / 47		.3		.5	.8	.2												11	11	4				
45 / 45		1.1	.8	1.1	1.6													29	29	5				
43 / 43	.5	.3	1.1	1.9	.3													26	26	9				
41 / 41	.3	1.2	1.7	1.9	.6													37	37	9				
39 / 39	.6	1.1	1.2	1.6	.9													35	35	9				
37 / 37		.8	1.1	1.1	.2													20	20	16				
35 / 35	.6	2.2	1.1	1.2	.2													34	34	13				
33 / 33	.6	1.2	2.0	.5	.3													30	30	25				
31 / 31	.5	2.5	1.9	2.2	.6													49	49	35				
29 / 29	.5	2.5	2.8	.6														41	41	37				
27 / 27		1.9	3.3	.9														39	39	40				
25 / 25		2.6	2.2	.2														32	32	36				
23 / 23		2.0	1.2	.2														22	22	15				
21 / 21	.5	1.9	1.4															24	24	28				
19 / 19	.5	4.8	2.3															49	50	40				
17 / 17		3.0	1.4															28	28	36				
15 / 15		1.2	.9															14	14	42				
13 / 13	.2	1.2	.2															10	10	27				
11 / 11	.3	1.9	.2															15	15	37				
9 / 9	.2	1.7	.3															14	14	25				
7 / 7		2.6																17	17	24				
5 / 5		1.6																10	10	19				
3 / 3	.2	.5																4	4	11				
1 / 1	.2	.8																6	6	13				
-1 / -1		.2																1	1	19				
-3 / -3		.3																2	2	14				
-5 / -5	.3	.2																3	3	5				
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-1/-7	.2	.2																2	2	1	12												
-1/-9	.2																	1	1	2	2												
-1/-11																					7												
-1/-13																					3												
-14/-15																					4												
-1/-19																					2												
-2/-27																					3												
TOTAL	6.5	4.3	1.29	3.14	2.5	5.5	1.2	.2											642	643	642												
																			642	642													
															</																		

PSYCHROMETRIC SUMMARY

JAN
MONTH

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
69				.0						.0								2	2																
67			.0	.0		.0			.0	.0	.1							9	9																
66			.0	.0	.1		.0	.1	.0	.0	.1							15	15																
64		.0	.1				.0	.0	.1									14	14	4															
62		.1	.0	.0		.0	.1	.0	.1									17	17	4															
60		.2	.1	.1	.0	.1	.2	.1	.0									40	40	12	11														
58		.1	.3	.0	.1	.2	.2	.1	.0									43	43	14	12														
56	.0	.2	.2	.1	.1	.2	.3	.1										62	62	16	11														
54	.1	.3	.3	.3	.1	.2	.3	.0										64	84	40	17														
52	.2	.2	.6	.1	.3	.4	.2											96	96	32	35														
50	.0	.2	.4	.4	.4	.6	.2											110	110	73	30														
48	.1	.3	.4	.5	.9	.6	.2											149	149	82	25														
46	.2	.7	.5	.9	.7	.6	.1											181	181	98	70														
44	.2	.5	.9	1.0	.7	.3												184	184	141	45														
42	.1	.9	.9	1.3	.9	.0	.1											214	214	153	59														
40	.4	.9	1.2	1.0	.7	.1	.0											219	219	238	99														
38	.3	1.4	1.2	1.2	.5	.2												243	243	248	127														
36	.7	2.3	1.2	.8	.6	.1												283	283	301	139														
34	.7	1.9	1.7	.9	.6	.1												299	299	328	194														
32	.3	2.8	2.1	1.5	.6													371	371	278	272														
30	.2	2.0	2.2	.7	.1													266	268	329	310														
28	.2	2.4	1.8	.8	.1													264	264	304	235														
26	.0	2.2	1.6	.7														229	229	320	275														
24	.0	2.0	.9	.1														156	156	284	220														
22	.3	2.1	1.9	.4														232	232	240	279														
20	.2	4.3	1.4	.2														309	313	214	270														
18	.0	2.8	1.0	.2														204	204	313	253														
16	.0	2.0	.9															150	151	224	259														
14	.1	1.8	.3															111	111	142	205														
12	.2	1.4	.3															98	98	136	251														
10	.3	1.3	.2															90	91	108	272														
8	.3	1.6	.0															93	93	106	194														
6	.2	.9																53	53	72	136														
4	.2	.7																45	45	57	124														
Element (X)	Σ X'			Σ X			Σ			Σ _s			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-81

YEARS

JAN
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1	.1	.9																48	48	55	141															
-1	.3	.3																32	32	39	107															
-3	.2	.3																23	23	27	77															
-5	.2	.2																19	19	22	69															
-7	.1	.1																8	8	8	66															
-9	.1																	5	5	8	37															
-11	.0																	1	1	1	49															
-13																					21															
-15																					31															
-17																					9															
-19																					11															
-21																					3															
-23																					1															
-25																					7															
-27																					12															
-29																					1															
TOTAL	6.54	1.92	4.61	3.2	7.4	3.8	1.8	.5	.3	.1								5071	5079	5071																

Element (X)	Σ x ²	Σ x	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	23365194	332820	65.6	17.324	5071	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	5689800	154712	30.5	3.871	5079	12.9	412.4	1.6				744
Wet Bulb	4498960	7214	27	2.452	5071	15.4	482.3					744
Dew Point	2986777	7	514.499	5071	73.5	615.8						744

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1

0000-0200
HOURS 11:55 A.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
52 / 51		.6																1	1																
51 / 49		2.4																4	4	4															
49 / 47		.6	.6															3	3	2	6														
48 / 45			2.4															4	4																
44 / 43	1.6		1.2		.6													6	6	6	3														
42 / 41			2.4															4	4	3															
41 / 39	1.8	1.8	2.4	1.8														13	13	8	4														
39 / 37	1.8	3.0	1.2	.6														11	11	9	10														
38 / 35	1.8	4.8	1.8															14	14	16	8														
34 / 33	7.8	3.0	2.4															22	22	24	19														
32 / 31	1.2	5.4	1.2															13	13	11	14														
31 / 29	1.2	8.4	4.2															23	23	17	11														
29 / 27		1.8	1.8															6	6	12	11														
28 / 25		3.0																5	5	12	16														
28 / 23	.6	1.8	2.4															8	8	7	4														
27 / 21		1.8																3	3	7	9														
27 / 19		3.6																6	6	5	11														
18 / 17	1.8	1.2																5	5	6	7														
18 / 15	.6	1.8																4	4	4	7														
14 / 13		1.2																2	2	2	6														
14 / 11		3.6																6	6	5	5														
14 / 9	1.8	.6																4	4	7	4														
14 / 7																					1														
14 / 5																					11														
TOTAL	22.2	50.3	24.0	3.0	.6													167	167	167	167														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81
YEARS

FEB
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
63			.1															1	1																
61			.3		.4													5	5																
59		.1	.3															3	3	2															
57		.3																2	2	2	1														
55		.3					.1											3	3	4	3														
53	.1	.1	.5	.1	.1	.3	.3	.1										13	13	7	7														
51		.1	1.1	.1	.3	.1	.1											14	14	2	1														
49	.4	.5	.5	.1	.1		.1											14	14	9	5														
47	.1	1.1		.8	.3													17	17	14	8														
45	.4	1.0	.3	.3	.3													16	16	17	16														
43	.3	.5	.5	1.2	.4	.1												23	23	16	14														
41	.3	1.0	.7	.5	.3													20	20	19	12														
39	1.5	.8	2.3	.7														39	39	31	14														
37	.7	1.4	.8	.4														24	24	30	15														
35	.7	1.8	2.0	.5														37	37	35	21														
33	1.5	5.9	1.6	.3														68	68	47	30														
31	1.0	3.3	1.6	.4														46	46	63	54														
29	1.2	3.7	2.2															52	52	49	45														
27	.7	3.4	1.1															38	38	49	50														
25	.4	2.9	1.1															32	32	42	45														
23	.1	2.7	.1															22	22	33	34														
21	.8	4.4	1.1															46	46	34	39														
19	.5	5.7	.5															50	50	37	34														
17		3.7	.4															30	30	47	38														
15		1.9																14	14	32	29														
13	.1	2.7	.1															22	22	17	39														
11	.3	2.7																22	22	16	37														
9	.8	1.5																17	17	31	24														
7	.5	.7																9	9	11	19														
5	.1	1.0																8	8	10	23														
3	.4	.7																8	8	9	13														
1	.1	.7																6	6	4	18														
-1	.5																	4	4	6	16														
-3	.3	.5																6	6	5	6														
Element (X)	ΣX^2		ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-4 / -5	.1																																	1	1	2	5
- / -7	.3																																2	2	2	5	
- / -9																																				2	
- / -11																																				5	
- / -13																																				2	
- / -15																																				2	
- / -17																																				1	
- / -19																																				1	
- / -21																																				1	
TOTAL	14.4	56.9	19.5	5.6	2.2	.5	.7	.1																										734	734	734	

Element (X)	Σ X'	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4386912	55922	76.2	13.128	734							
Dry Bulb	736653	21225	28.9	13.053	734	1.5	49.8					84
Wet Bulb	638549	19699	26.8	12.243	734	1.7	57.1					84
Dew Point	494343	16177	22.0	13.712	734	5.3	67.2					84

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81 YEARS

FEB MONTH

PAGE 2 0900-1100 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
- / 3				.5																													4	4	2	13
- / 1				.5																													4	4	2	19
- / -1				.1																													1	1	4	9
- / -3			.1																														1	1	2	3
- / -5																																				7
- / -7																																				2
- / -9																																				4
- / -11																																				1
- / -13																																				1
- / -17																																				1
- / -19																																				2
TOTAL	7.9	38.4	24.2	12.8	9.0	4.2	2.4	1.3	.3	.3	.3																						760	760	760	760

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3659848	51194	67.4	16.689	760	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1045217	26147	34.4	13.853	760	.2	40.1	1.3				84
Wet Bulb	827340	23348	30.7	12.042	760	.7	46.9					84
Dew Point	568691	18149	23.9	13.351	760	3.3	64.0					84

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1200-1400
HOURS L. S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 7				.1																															1	1	2	24
/ 5																																					9	
/ 3				.1																															1	1	1	13
/ 1																																					17	
/ -1																																					3	
- / -3																																					4	
- / -5																																					4	
- / -7																																					1	
-1 / -11																																					1	
-1 / -15																																					2	
TOTAL	4.1	17.2	25.1	17.9	11.8	7.4	6.3	5.5	2.4	1.4	.1	.5	.3																					761	761	761	761	

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
76 / 75									.3				.4					5	5																
74 / 73								.5	.3	.1	.3	.1	.1					11	11																
72 / 71					.1	.3	.3		.1	.1								7	7																
70 / 69						.4	.1	.3	.1	.3	.4	.1						13	13																
68 / 67						.1	.3			.5		.1						8	8																
66 / 65					.1	.1		.5	.7	.7								16	16																
64 / 63				.4	.4	.4	.3	.1	.8	.5								22	22	1															
62 / 61		.1	.1	.1	.1	.1	.1	.3	.4	.3								13	13	3															
60 / 59		.3		.4		.4	.3	.9	.5	.4								24	24	12															
58 / 57			.1		.3	.1	.3	1.5	.7									22	22	12	4														
56 / 55			.1		.8	.1	.4	.7	.1									17	17	12	2														
54 / 53		.3	.1	.1	1.2	.1	.8	.7										25	25	15	3														
52 / 51			.1	.1	.4	.9	2.1	.1										29	29	16	15														
50 / 49		.5		.3	.3	1.5	.4											22	22	24	8														
48 / 47		.4		1.1	.3	1.7	.4	.1										30	30	23	9														
46 / 45	.1	.5	.1	.7	.7	.8	.1											23	23	34	14														
44 / 43		.5	1.1	1.5	.5	.8	.1											34	34	33	9														
42 / 41		.4	.9	1.1	1.6	.8	.3											38	38	43	12														
40 / 39	.3	1.2	.5	.8	1.6	.7												38	38	57	14														
38 / 37	.3	.4	1.6	.3	1.5	.1												31	31	45	20														
36 / 35	.4	2.5	.9	2.2	.7													51	51	35	29														
34 / 33	.3	.9	1.2	1.1	.4													29	29	57	25														
32 / 31	.4	2.1	.4	3.2	.5													50	50	38	51														
30 / 29	.1	2.0	2.6	2.4														54	54	56	53														
28 / 27	.3	.8	1.7	1.6														33	33	34	43														
26 / 25	.8	1.8	1.8	1.2														43	43	62	56														
24 / 23		.4	.7	.3														10	10	50	60														
22 / 21		.7	1.7	.9														25	25	27	42														
20 / 19		.1	1.6															13	13	18	47														
18 / 17		.7	.8															11	11	19	37														
16 / 15		.5	.1															5	5	18	41														
14 / 13		.3																2	2	7	31														
12 / 11			.4															3	3	3	23														
10 / 9																					36														
Element (X)	Σ X ²		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 9 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 7																						3	18												
/ 5																							14												
/ 3																							16												
/ 1																							13												
/ -1																							5												
- / -3																							1												
- / -5																							3												
- / -9																							2												
- / -11																							1												
TOTAL	2.9	17.4	18.9	19.6	11.4	9.5	6.2	5.7	4.0	2.9	.7	.8	.1						757		757	757													
																			757		757														

Element (X)	Σ X ²	Σ X	Σ	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2512828	40932	54.1	19.907	757	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1461930	31410	41.5	14.486	757		27.6	4.9	1.8			84
Wet Bulb	1010572	26340	34.8	11.155	757		37.2					84
Dew Point	560820	18364	24.3	12.351	757	1.3	65.8					84

USAFETAC
FORM
NA 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 1																						14													
/ -1																						10													
- / -3																						1													
- / -7																						3													
- / -11																						1													
TOTAL	3,525	625	218	511	1.1	6.3	4.6	2.7	1.5	.8	.1								741	741		741													

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2969176	44868	60.6	18.468	741	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1172594	27806	37.5	13.212	741		32.1	1.2				84
Wet Bulb	873646	24092	32.5	11.049	741		45.0					84
Dew Point	537879	17679	23.9	12.525	741	1.7	66.1					84

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB

PAGE 2

2100-2300
HOURS S.T.

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 1

ALL
HOURS 5, 5, 7

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB
MON 1964

PAGE 2

ALL
HOURS 10-5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 7	.1	.3	.0															17	17	36	123														
/ 8	.2	.2																11	11	22	99														
/ 3	.1	.2																13	13	12	97														
/ 1	.2	.2																10	10	7	92														
/ -1	.1	.0																5	5	10	51														
- / -3	.1	.1																7	7	7	19														
- / -5	.2																	1	1	2	21														
- / -7	.2																	2	2	2	12														
- / -9																					R														
- / -11																					9														
-1 / -13																					3														
-1 / -15																					4														
-1 / -17																					2														
-1 / -19																					3														
- / -21																					1														
TAL	7.633	2.223	5.13	8	7.9	5.2	3.5	2.6	1.3	.9	.2	.2	.1						4733		4733														
																		4733		4733															

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21712087	307509	65.0	19.136	4733	$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\leq 67^\circ \text{F}$	$\leq 73^\circ \text{F}$	$\leq 80^\circ \text{F}$	$\leq 93^\circ \text{F}$	
Dry Bulb	7021299	169583	35.8	14.133	4733	2.1	297.0	15.2	4.3			672
Wet Bulb	5346304	149068	31.5	11.732	4733	3.0	367.4					672
Dew Point	3478729	113167	23.9	12.772	4733	18.9	517.5					672

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

MAP
MAY 1964

PAGE 1 0000-0200
NOV 5 1964

[illegible]

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

0300-0500
HOURS: 5-1

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81 YEARS

MAR
MONTH

PAGE 2 0600-0800
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 1				.3																														2	2	2	6
/ -1		.1																															1	1	1	2	
-2 / -3		.3																															2	2	2		
-4 / -5																																				4	
-6 / -7																																				2	
TOTAL	7.7	45.2	26.2	12.9	5.3	2.2	.3	.1																									789	794	789		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4753846	60242	76.4	13.990	789	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1385144	31808	40.1	11.826	794	.4	27.2	.4				93
Wet Bulb	1188713	29349	37.2	11.095	789	.4	33.2					93
Dew Point	973550	25930	32.9	12.411	789	.9	45.5					93

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

MAF
MONTH

PAGE 2 0900-1100
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 4																					2	3													
2 / 7		.1																1	1	1	1	1													
3 / 9																						2													
4 / 3		.1																1	1	1	1	1													
5 / 1																						3													
6 / -1																						1													
7 / -3																						5													
TOTAL	3.5	23.4	19.8	19.4	12.7	9.7	5.7	3.5	1.4	.7	.2									835		835													
																				835		835													

Element (X)	Z_X'	Z_X	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	Total
Rel. Hum.	3750415	53863	64.5	10.188	835							
Dry Bulb	1987861	39291	47.1	12.911	835		12.0	7.2	1.4			93
Wet Bulb	1543731	34707	41.6	11.012	835		20.2					93
Dew Point	1130774	28902	34.6	12.503	835	.7	43.7					93

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

724457	FT LEONARD WOOD MO
STATION	STATION NAME

73-81

MAR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAR
MON 1964

PAGE ? 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 15					.1																												1	1	5	23	
1 / 13																																				2	12
1 / 11																																					
1 / 9																																					
1 / 7																																					
1 / 5																																					
1 / 3																																					
1 / 1																																					
1 / -1																																					
TOTAL	2.9	11.3	15.6	11.1	12.6	13.7	11.3	10.2	6.0	2.4	2.0	1.1																						835	936	835	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2873456	45816	54.9	20.764	835	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2494679	44263	52.9	13.453	836		5.8	15.5	7.6	1.2		93
Wet Bulb	1768898	37394	44.8	10.632	835		11.4	.3				93
Dew Point	1172028	29446	35.3	12.658	835	.3	41.3					93

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

MAR
MONTH

PAGE 2 1800-2000
HOURS S. T.

[illegible]

USAFETAC
NORMA
NIA 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS NORMA ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

1992

PAGE 2 2100-2300

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

MAH
MONTH

PAGE 2

ALL
HOURS 0000-2359

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
15 / 15		.1	.1																11	11	22	127													
14 / 13		.1																	6	6	12	53													
13 / 11		.2																	9	9	6	38													
12 / 9		.0																	2	2	10	29													
11 / 7		.0																	2	2	3	16													
10 / 5		.1																	3	3	3	6													
9 / 3	.1	.0																	2	2	2	16													
8 / 1		.0																	2	2	2	26													
7 / -1		.1																	1	1	1	13													
6 / -3		.2																	2	2	2	5													
5 / -5																						4													
4 / -7																						2													
TAL	4.5	23.9	18.6	13.7	11.3	10.3	7.0	4.8	3.2	1.4	.8	.4	.0							5242		5236													
																			5236		5236														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	23161011	330917	63.2	20.7	76	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	12930758	250844	47.9	13.3	101	.4	98.5	64.3	23.8	3.7		744
Wet Bulb	9782567	219125	41.8	10.8	15	.4	155.6	.7				744
Dew Point	6973403	179849	34.3	12.3	30	3.4	345.4					744

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MD
STATION STATION NAME

73-81
YEARS

APR
MONTH

PAGE 1 0600-0800
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
74 / 73											.1	.1																					2	2			
73 / 71				.1				.3			.1			.1	.1																	6	6				
72 / 69			.3	.4	1.2	.6	.3	.3																								23	23				
67 / 67			1.0	.6	.5	.8	.3	.1	.1																							27	27	3			
66 / 65		.5	.8	.8	.1	.5	.3																									23	23	3	2		
64 / 63		.8	.8	.5	.5	.5	.6																									29	29	19	5		
62 / 61		1.9	.8	1.4	.6	1.4	.6			1.4	.6		.1																			54	54	32	12		
60 / 59	.3	3.0	1.4	1.3	1.0	.3	.5	.1																								68	68	40	30		
57 / 57		.9	1.0	.9	1.5	1.0	.5																									46	46	44	30		
55 / 55		1.7	1.3	1.0	1.7	.6	.8																									55	55	37	38		
54 / 53		.9	.5	1.9	1.0	.4		.1																								38	38	54	28		
52 / 51		1.3	.9	.8	1.9	.8	.3																									46	46	51	38		
50 / 49		1.7	1.0	2.6	1.2	.4	.3																									55	55	46	23		
47 / 47		1.2	1.8	1.3	1.3	.1	.1																									45	45	56	46		
46 / 45		2.6	2.4	.8	1.4	.3																										58	58	51	46		
44 / 43		.8	2.3	1.4	.5																											39	39	71	40		
42 / 41		1.4	.9	1.3	.4																											31	31	52	48		
40 / 39		1.7	3.0	.5	.1																											41	41	47	57		
37 / 37	.1	1.9	2.3	.9																												41	41	54	47		
36 / 35		.4	1.4	.1																												15	15	39	56		
34 / 33		1.0	.1	.1																												10	10	35	50		
32 / 31	.1	.9	.5		.1																											13	13	20	56		
30 / 29		.3	.3																													4	4	7	41		
28 / 27		.4																														3	3	3	28		
26 / 25		.3																														2	2	4	15		
24 / 23		.3																														2	2	7	14		
22 / 21																																			1	6	
20 / 19																																				9	
18 / 17																																				7	
16 / 15																																				1	
14 / 13																																				2	
12 / 11																																				1	
10 / 9																																					
8 / 7																																					
TOTAL	.5	25.0	25.4	18.9	16.4	8.0	4.6	.8	.4																								776	776	776		
																																	776	776			
Element (X)	Z ₁	Z ₂	X	Y	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	3933000	53874	69.4	15.772	776	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																										
Dry Bulb	2144148	40026	51.6	10.135	776		2.8	6.7	.2			90																									
Wet Bulb	1753569	36173	46.6	9.325	776		4.9	.3				90																									
Dew Point	1411354	31998	41.2	10.888	776		20.9					90																									

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 83																							.2										2	2		
7 / 81											.1											.1											2	2		
7 / 79								.1					.1	.2	.4					.2	.4	.2	.1									10	10			
7 / 77									.2	.6	.2	.2	.9	.4	.2	.1																24	24			
76 / 75					.1	.2	.9	.6	.5	.6	.6	.4	.4																			35	35			
74 / 73			.1	.1	.4	1.0	1.1	.5	.5	.7	.4																					39	39			
7 / 71				.1	.7	1.6	1.0	1.2	1.1	.1	.6																					53	53		2	
7 / 69			.1	.6	.7	.9	.4	.6	1.0	.5	.1																					40	40		2	
6 / 67		.1	1.0	.9	.4	.2	.9	1.1	.6	.1	.1																					44	44		3	
66 / 65		.6	1.0	.9	.6	.6	.6	1.6	.7	.7																						60	60		25	
4 / 63		.5	.5	.6	.6	.6	.7	1.5	.6	1.1	.1																					51	51		47	
4 / 61		1.1	.7	.6	.6	.2	1.1	1.1																								45	45		56	
7 / 59	.1	1.0	.9	.2	.4	1.6	1.1	1.5	.4																							58	58		57	
7 / 57		.5	.4	.4	.7	.7	1.1	.9	.2																							40	40		63	
5 / 55		.6		.7	1.4	1.6	1.9	.4																								53	53		44	
4 / 53		.5	.9	.6	.6	1.1	1.6	.2																								45	45		59	
2 / 51		.4	.2	.7	1.0	.7	.9																									32	32		49	
5 / 49		1.1	1.6	.6	1.1	1.0																										44	44		59	
4 / 47		1.0	.4	1.2	.5	.9	.1																									33	33		69	
4 / 45		1.5	.2	.6	.4	.1																										23	23		69	
4 / 43		.5	.6	.5	.4	.1																										17	17		52	
2 / 41		.4	.6	.1	.4	.1																										13	13		46	
4 / 39	.4	.6	.6	.2																												15	15		32	
3 / 37		.5	.9		.1	.1																										13	13		23	
7 / 35			.6	.1																												6	6		19	
3 / 33		.4	.1	.1	.1																											6	6		9	
2 / 31		.2	.2																													4	4		10	
7 / 29		.1	.2																													3	3		5	
2 / 27																																			2	
2 / 25																																			3	
2 / 23																																				
2 / 21																																				
2 / 19																																				
1 / 17																																				
Element (X)	Σx^2		Σx		\bar{x}		σ^2		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$		Total																		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0900-1100
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B.-W.B.	TOTAL Dry Bulb Wet Bulb Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11	12-13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31							
1 / 15																													1				
1 / 11																													1				
1 / 9																													2				
T-TAL	.5	1.1	6.1	2.0	10.2	11.5	14.7	14.6	10.7	6.9	3.8	2.2	1.1	.1														810	810				
																												81C	81C				
Element (X)	Σx²	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total																					
Rel. Hum.	27895.1	44767	55.3	19.743	810	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																						
Dry Bulb	3006204	48514	59.9	11.147	810		.8	27.7	12.4	1.1		90																					
Wet Bulb	2165321	41241	50.9	9.001	810		2.2	1.3				90																					
Dew Point	1539917	34111	42.1	11.307	810		19.7	.3				90																					

USAFETAC
FORM
JUL 84
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS 5:11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
8 / 87																																		1	1	
6 / 85														.1	.1																		2	8		
4 / 83													.1					.4	.1														8	8		
2 / 81											.1	.2	.7	.7	.7	.5	.6	.7	.1														37	37		
0 / 79								.1		.5	2.1	.9	1.1	1.1	1.4	.5	.2																64	64		
7 / 77							.1	.2	.5	.9	.6	1.1	.5	.5	.4																		39	39		
6 / 75							.2	.6	.7	.4	.9	.2	.6	.6	.2	.1																	39	39		
4 / 73							.6	.6	.9	.4	1.4	1.9	.9	.6	.1																		59	59	1	
2 / 71						.2	.4	.6	.4	.2	1.0	.9	.5	.1																			35	35	5	
0 / 69					.2	.7	.2	.5	.5	.9	.6	1.6	.4																				46	46	3	
4 / 67				.6	.5	.9	.7	.5	.9	1.7	.7	.4																					56	56	16	
6 / 65			.7	.4	.5	.1	.4	.4	.9	1.9	1.2	.2																					54	54	54	
4 / 63				.2	1.3			.4	.7	1.2	1.5	.7	.1																				48	48	53	
2 / 61				.1	.9		.7	.1	.4	1.4	1.9	.1																					45	45	42	
0 / 59		1.7		.4	.2		.2	.9	.9	1.4	1.7	.1																					55	55	65	
7 / 57		.4		.5		.9	1.2	.9	1.6	.5																							48	48	71	
5 / 55				.1		.1	.9	.9	.9																								23	23	60	
4 / 53				.1	.5	.2	.7	.5																									17	17	57	
2 / 51		.7	.7	.5	.5	.1	.2																									23	23	52		
0 / 49		.5	.6	.9	.1	.1				.1																						19	19	72		
4 / 47		.5	.6		.2	.5			.1																							16	16	67		
4 / 45		.2	.6	.7	.2	.2	.1																									18	18	55		
4 / 43		.5	.4	.6	.1	.1																										14	14	48		
2 / 41		.6	.5	.2	.2																											13	13	22		
4 / 39		.5	.6	.2																												11	11	19		
2 / 37		.2	.5	.1	.2																											9	9	20		
0 / 35		.1	.1																													2	2	10		
34 / 33		.1	.2																													3	3	13		
2 / 31																																			2	
0 / 29																																		3		
2 / 27																																				
0 / 25																																				
24 / 23																																				
2 / 21																																				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457	FT LEONARD WOOD MO
STATION	STATION NAME

73-81

YEARS

APR
MON 22

PAGE 2 1200-1400
HOURS - 5. P.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
/ 1																								4													
/ 17																								8													
1 / 15																								1													
1 / 13																								1													
1 / 11																								1													
T 15L	6.9	7.7	7.9	6.7	9.1	9.4	14.1	14.6	10.9	5.3	4.0	2.8	.7											810	810	810											

USAFETAC FORM
JUL 64
0-26-5 (OL A)
REVISED EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS S.I.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 1500-1700
HOURS U. S. T.

[illegible]

USAFETAC
FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

PSYCHROMETRIC SUMMARY

YEARS

AFD
MON-FR

PAGE 1 2100-2300
HOURS L. S. T.

[illegible]

USAFETYAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 2 2100-2300
HOURS S. T.

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

ALL

HOURS . . . S. T.

[illegible]

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

APR
MONTH

PAGE 2

ALL
HOURS - L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0000-0200
HOURS 10:50:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
66 / 75			1.1															2	2																		
64 / 73			.5	1.6														4	4																		
62 / 71			3.2															6	6		8																
60 / 69			1.6	1.1	.5													6	6	4	12																
58 / 67			1.1	4.3	1.1	.5												13	13	3	2																
60 / 65			3.8	2.2	2.7	1.1												18	18	9	4																
40 / 63	.5		2.2	3.2	1.1	.5												14	14	18	13																
60 / 61	2.2		4.3	2.2	1.6	1.1												21	21	16	14																
60 / 59	.5		1.1	2.2	2.7	.5												13	13	18	11																
60 / 57	1.1		4.3	4.3	1.1		.5											21	21	13	17																
50 / 55	.5		3.8	2.7		.5												14	14	17	14																
40 / 53			9.7	2.2	.5													23	23	29	18																
20 / 51				.5	1.1		.5											4	4	16	22																
50 / 49				.5	.5	2.2												6	6	2	17																
40 / 47			.5	1.1	1.1	.5												6	6	5	8																
40 / 45			.5	.5	3.2													8	8	5																	
40 / 43				1.6	.5													4	4	4	2																
20 / 41			.5	.5														2	2	7	5																
40 / 39																				11	3																
30 / 37																				1	2																
20 / 35																					5																
30 / 33																					6																
20 / 31																					7																
10 / 29																					3																
T TALL	4.9	37.3	331.9	17.8	7.0	1.1													185	185		185															
																		185		185																	

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1242195	14983	81.0	12.497	185	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	657384	10938	59.1	7.619	185			15.6	3.0			93
Wet Bulb	590632	10342	55.9	8.238	185			7.5				93
Dew Point	540319	9825	53.1	10.036	185		5.0	7.0				93

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 0300-0500
HOURS 5 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 / 75			.3															1	1																
67 / 73		.3																1	1																
71 / 71		1.4																5	5	5	1														
69 / 69	.6	1.7	.8	.3														12	12	7	8														
67 / 67		2.2	2.2	.3														17	17	8	6														
65 / 65	.6	3.0	2.5	.3														23	23	14	11														
63 / 63		5.5	1.7	1.7														32	32	26	19														
61 / 61	.8	5.2	2.2	.3	.6													33	33	25	25														
59 / 59	2.2	3.3	1.4	1.4	.3													31	31	33	30														
57 / 57	.3	3.6	2.2	1.7	.6	.6	.3											33	33	35	28														
55 / 55	.8	6.6	1.1	.6	.6	.3												36	36	20	30														
53 / 53	.3	6.3	1.9	.8		.3												35	35	38	20														
51 / 51		3.6	1.9	2.5		.6												31	31	32	37														
49 / 49		1.9	1.9	.3	.3													16	16	28	26														
47 / 47		.8	1.4															9	8	20	20														
45 / 45	.3	1.4	1.7	.6														14	14	18	15														
43 / 43		1.7	1.1	.6														12	12	11	12														
41 / 41		.8	1.7	.8														12	12	12	17														
39 / 39		.8	.8															6	6	11	17														
37 / 37			.6															2	2	12	6														
35 / 35		.3	.3															2	2	3	8														
33 / 33																				3	9														
31 / 31		.3																1	1	1	9														
29 / 29																				1	4														
27 / 27																					2														
25 / 25																					2														
23 / 23																					1														
TOTAL	5.4	50.7	27.5	11.8	2.2	1.7	.3											363	363	363	363														

Element (X)	ΣX'	ΣX	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total	
						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Rel. Hum.	2589850	30366	83.7	11.7	11	363							
Dry Bulb	1183241	20517	56.5	8.0	75	363		.3	9.2	.5			93
Wet Bulb	1078980	19546	53.8	8.5	58	363		.5	5.1				93
Dew Point	999127	18695	51.5	10.0	15	363		4.6	3.8				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 2 0900-1100
HOURS L. S. Y.

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 1 1230-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

PAGE 3 1500-1700

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 2

ALL
HOURS S. T.

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
24 / 23																					12
21 / 21																					4
/ 15																					2
TOTAL	1.4	18.0	14.7	12.9	12.5	10.0	8.2	8.9	6.6	3.8	1.4	.4	.2						5225	5225	
																			5225	5225	

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	23030974	337222	64.5	19.890	5225							
Dry Bulb	23455460	346139	66.2	10.025	5225		.3	370.1	207.0	75.2		744
Wet Bulb	18256380	305826	58.5	8.255	5225		.6	135.3	21.8			744
Dew Point	15013090	274580	52.6	10.569	5225		36.6	43.7	1.6			744

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTN

PAGE 1 0000-0200
HOURS 0000-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
7 / 77				1.1	2.8	1.7																												10	10			
4 / 75			.6	2.2	2.2	1.7	.6																											13	13			
4 / 73			1.1	7.2	5.0	2.8																												29	29	3	1	
7 / 71			1.1	1.0	2.8					.6																								26	26	19	4	
7 / 69			2.2	5.6	.6	2.2																												19	19	25	19	
6 / 67			1.7	5.7	1.1	3.3																												20	20	31	22	
6 / 65			1.7	6.1	2.2	1.1																												20	20	17	26	
4 / 63			.6	.6	4.4																													10	10	25	21	
2 / 61			3.9		4.4	.6																												16	16	11	25	
7 / 59			1.7	1.7	.6																													7	7	19	7	
4 / 57			3.3																															6	6	14	16	
5 / 55			.6																															1	1	12	16	
4 / 53				1.1																														2	2	1	11	
2 / 51				.6																														1	1	2	11	
5 / 49																																				1	3	
7 / 47																																					1	
TOTAL				10.34	1.126	1.13	3	1.1																											180	180	180	180
																																				180		180

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-79

YEARS

JUN
MONTH

PAGE 1 0300-0500
HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 77				.3	.2													2		2															
6 / 75		.3	.6	2.1	.3													11		11															
4 / 73		1.5	3.7	1.2	.9	.3												23		23															
2 / 71		1.5	3.2	1.8	.9	.6												43		43	15														
1 / 69		3.6	7.3	1.5	.6													43		43	27														
4 / 67		3.9	5.2	.9	1.2													37		37	51														
6 / 65	.3	5.2	3.9	2.1	.6													40		40	43														
4 / 63		.9	3.6	3.0	.3	.3												27		27	41														
2 / 61	.3	2.4	2.4	1.5	.3													23		23	17														
1 / 59		2.7	2.7	1.8														24		24	30														
5 / 57		3.6	2.7	.6														23		23	30														
5 / 55	.3	2.4	.9	.3														13		13	31														
4 / 53		2.7	1.2															13		13	18														
2 / 51		1.2	.6															6		6	15														
1 / 49		.3	.3															2		2	8														
1 / 47																					2														
4 / 45																					1														
4 / 43																																			
TOTAL		32.4	42.7	17.3	5.5	1.2													330		330	330													
																		330		330															

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2266334	27198	82.4	8.669	330	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	1422741	21569	65.4	6.281	330			43.4	9.8			90
Wet Bulb	1279931	20455	62.0	6.047	330			25.6	.3			90
Dew Point	1194541	19737	59.8	6.544	330			16.4				90

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2266334	27198	82.4	8.669	330	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$
Dry Bulb	1422741	21569	65.4	6.281	330			43.4	9.8		90
Wet Bulb	1279931	20455	62.7	6.047	330			25.6	.3		90
Dew Point	1194541	19737	59.8	6.544	330			16.4			90

PSYCHROMETRIC SUMMARY

JUN
MONTH

PAGE 1 1200-1400
HOURS 11. 3. 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
8 / 97																			.1														1	1		
6 / 95																		.1															2	2		
4 / 93																1.1																	15	15		
2 / 91											.1	.1	1.1	.9	1.5	.6	.2																37	37		
0 / 89							.1	.1	.5	2.1	1.6	1.6	.9	.4																			59	59		
8 / 87								.9	.9	1.9	2.2	1.0	.2																				57	57		
6 / 85							.2	1.1	2.3	2.3	1.7	1.0	.7	.2																			79	79		
4 / 83							1.1	1.6	1.9	1.7	1.1	.6	.6	.2																			72	72		
2 / 81			.1			1.1	2.1	1.7	.6	1.2	2.5	.7																					81	81	2	
0 / 79				.9	1.1	2.3	.5	1.0	1.7	2.0	.4	.2																					82	82	11	2
7 / 77			.9	.6	1.9	1.4	.9	2.2	.7	.1	.2																						72	72	36	1
6 / 75		.1	.5	1.5	1.7	1.1	1.1	2.6	.7	.2	.1																						81	81	54	7
4 / 73		.1	1.2	1.2	.7	.6	.9	1.2	1.0	.4																							60	60	114	24
2 / 71		.5	.7	.7		.4	.9	1.0	.4																								37	37	117	57
0 / 69		.4	1.7	.2	.6	.5	.5	.5																									36	36	96	64
6 / 67		.5	.4	.5	.5	.4	.2																										20	20	78	96
4 / 65		.5	.6		.4	.1																											13	14	76	104
2 / 63		.1																															1	1	85	85
0 / 61	.1	.1																															2	2	68	59
8 / 59		.2																															2	2	34	45
6 / 57																																			29	32
5 / 55																																			9	46
4 / 53																																				46
2 / 51																																				57
5 / 49																																				36
4 / 47																																				20
4 / 45																																				10
4 / 43																																				9
2 / 41																																				6
4 / 39																																				3
TAL	.1	2.6	6.2	5.7	9.4	12.7	12.4	18.5	14.6	11.1	4.6	1.7															.2	.1				809	810		809	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2595360	44120	54.5	15.303	809	$\pm 0^\circ\text{F}$	$\pm 32^\circ\text{F}$	$\pm 67^\circ\text{F}$	$\pm 73^\circ\text{F}$	$\pm 80^\circ\text{F}$	$\pm 93^\circ\text{F}$	Total
Dry Bulb	5266147	65267	80.3	6.973	810			87.9	77.6	49.8	2.0	90
Wet Bulb	3807677	55321	68.4	5.531	809			56.5	24.1	.6		90
Dew Point	3111593	49771	61.5	7.835	809			27.9	3.8			90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 2100-2300
HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 71			.2	.7	1.4	.2	.2	.2										13	13																
7 / 77			1.4	1.6	1.2	.9	.7											25	25																
7 / 77			1.4	2.3	1.9	1.4	1.9											40	40			1													
6 / 75			4.4	4.4	3.5	.7	.5											58	58			11		1											
4 / 77		.7	5.1	3.2	.9	2.1	1.2	.2										58	58			27		12											
7 / 71		2.3	3.9	1.9	1.6	2.3	.5											56	58			47		25											
7 / 69			2.1	.9	3.2	2.6	.7	.2										42	42			70		45											
7 / 67		2.8	4.6	1.6	2.6	1.6												57	57			49		51											
6 / 65		.2	.9	2.6	1.9	.5												26	26			40		55											
4 / 67	.2	1.2	1.2	3.0	1.2	.2												30	30			49		33											
7 / 61		1.9	.2	.9	.9													17	17			47		28											
7 / 59			.7	.5														5	5			41		35											
7 / 57		.5																2	2			26		41											
5 / 55																						18		35											
4 / 52																						5		24											
7 / 51																								19											
7 / 49																								20											
7 / 47																								4											
4 / 45																								3											
TOTAL		.17	.02	.22	.4	.12	.0	.5	.6	.7								431		431		431		431											

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2351644	31410	72.91	5.63	431	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2206961	30755	71.4	5.363	431			73.3	40.5	5.4		90
Wet Bulb	1862730	28238	65.5	5.424	431			42.8	8.1			90
Dew Point	1672884	26692	61.9	6.792	431			28.0	2.7			98

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUL
MON 7

PAGE 1 0000-0200
HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 43						1.2												2	2																
47 41					.6	.6												2	2																
47 39				1.3	2.4													7	7																
7 47 77			4.1	3.5		.6												14	14																
47 75			4.1	4.7	4.7	1.2												26	26	1	2														
47 73		3.5	1.6	8.8	1.2	.6												42	42	15	2														
47 71		5.3	3.5	6.5	.6	.6	.6											29	29	35	13														
47 69		3.5	4.1	1.2	3.5	.6												22	22	32	35														
47 67		.6	2.9	.6	1.8	1.2	.6											13	13	32	27														
47 65			1.2		1.2		.6											5	5	20	25														
47 63				.6		.6												2	2	13	17														
47 61			.6	.6														2	2	4	17														
47 59			1.2															2	2	6	4														
47 57			1.2															2	2	6	9														
47 55																				4	1														
47 53																					7														
47 51																					6														
47 49																					1														
47 43																					3														
TOTAL	12.9	33.5	28.8	15.9	7.1	1.3												170	170	170	170														

Element (X)	Σx'	Σx	R	σ _a	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1020911	13795	76.8	10.424	170	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	895363	12315	72.4	4.385	170			85.9	50.9	3.8		93
Wet Bulb	778613	11477	67.5	4.730	170			62.9	8.8			93
Dew Point	715588	10962	64.6	6.033	170			43.8	1.1			93

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JUL
MON

PAGE 1 0300-0500
HOURS 5:01

[illegible]

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10-457 STATION 61 LEONARD WOOD MD
STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 0600-0800
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Dry Bulb Wet Bulb Dew Point	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
73																.2		.1														3	3		
72															.1	.6																6	6		
71										.6	.7	.2	.2	.1																		15	15		
70					.1	.2		.8	1.0					.1	.4																	22	22		
69				.4	2.1	2.3	.7	.1																								53	53		
68			.2	2.2	2.1	2.1	.4	.6																								69	69		
67			.3	3.3	4.1	2.4	1.6	.2																								88	88		
66			.3	3.4	3.6	3.3	.8	.2	.2																							104	104		
65			1.1	5.9	5.1	1.7	.2	.1																								112	112		
64	.1	3.4	6.2	3.3	.6			.2																								114	114		
63		3.3	4.4	1.9	.6	.1																										89	89		
62		3.4	1.9	.8	.6	.1	.1																									57	57		
61	.4	1.7	2.3	.7	.4		.2																									47	47		
60		.8	.5	1.5	.4																											26	26		
59		.4	.2	.5		.1																										10	10		
58		.1	.6	.1																												7	7		
57			.1																													1	1		
56			.2																													2	2		
55																																			
54																																			
53																																			
52																																			
51																																			
50																																			
49																																			
48																																			
47																																			
TOTAL		.15	.62	.31	.24	.21	.56	8.8	3.9	1.5	1.5	.1	.1																			825	825		

Element (F)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Ref. Hum	469243	62649	75.911	6.48	825							93
Dry Bulb	462324	62764	73.7	5.730	825			82.5	53.2	14.3		93
Wet Bulb	385737	56295	68.2	4.361	825			67.4	15.1			93
Dew Point	353086	53002	65.3	4.895	825			43.3	1.9			93

USAFETAC FORM 0-26-5 (OLA) JUL 54

PSYCHROMETRIC SUMMARY

YEARS

JUL
1955

PAGE 1 1200-1400
HOURS S. T.

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

Y E A R S

JUL
MONTH

PAGE 2 1200-1400
HOURS P. M.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
11 / 109																																.1	1	1		
10 / 107																																.7	6	6		
9 / 105																																.6	1.3	16	16	
8 / 103																									.1	.2	.1	.4	.2			.9	9	9		
7 / 101																									.2	1.0	.5	.2	.2			18	18			
6 / 99																									.6	.4	.4					11	11			
5 / 97																					.5	.2	1.8	.2	.1						24	24				
4 / 95																	.1	.6	.2	1.5	.5							.2			26	26				
3 / 93																.6	1.8	1.9	1.9	1.1	.1	.4	.5								69	69				
2 / 91													.2	2.9	2.4	3.6	1.9	1.5	.6	.4											112	112				
1 / 89										.4	2.3	3.6	3.1	1.3	1.2	1.3	.4	.2														115	115			
0 / 87							.2	.6	2.4	2.5	1.8	2.2	.1	1.0	.1																	91	91			
24 / 85							.7	1.8	2.1	2.5	1.9	.6	.4	.1																		84	84			
23 / 83						.2	1.5	2.3	1.0	.5	1.5	.5																				61	61			
22 / 81						.6	1.7	1.1	.6	.7	.6	.4	.2																			49	49			
21 / 79					.1	.8	1.1	.6	.3	.1	.4	.5	.2																			39	39	24		
20 / 77			.1	.4	.4	1.0	.4	.1	.5	.2	.1																					26	26	107	1	
19 / 75			.1	.8	.8	.2	.1	.1	.1	.4	.1																					24	24	165	16	
18 / 73			.5	1.1	.5	.1	.1																									19	19	194	54	
17 / 71			.2	.6	.5	.1	.2																									14	15	123	102	
16 / 69	.1	.2	.5	.2	.1																											10	10	80	129	
15 / 67		.1		.1																												2	2	76	107	
14 / 65				.1																												1	1	23	93	
13 / 63																																			15	77
12 / 61																																		12	69	
11 / 59																																		6	53	
10 / 57																																		2	37	
9 / 55																																			17	
8 / 53																																			15	
7 / 51																																			24	
6 / 49																																			19	
5 / 47																																			11	
4 / 45																																			1	
3 / 43																																			2	
2 / 41																																				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$		Total																		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

124457 STATION FT LEONARD WOOD MO STATION NAME

73-91

YEARS

JUL
MONTH

PAGE 2 1520-1720
HOURS

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-31

YEARS

JUL
MONTH

PAGE 1 1800-2000
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
107/105																																.1	1	1			
107/103																															.4	.1	6	6			
102/101																															.1	.1	2	2			
101/99																															.2	.2	9	9			
97/97																				.2	.2	.5	.2							.2		10	10				
95/95																			.5	1.0	.1	.1	.2	.2						.1	13	13					
93/93																.4	.1	.9	.1	.1	.1	.2	.2								17	17					
91/91															.5	.4	1.6	.5	.1	.1	.1	.1									26	26					
89/89															1.5	1.7	2.2	.9	1.1	.1	.2										63	63					
87/87							.1	.6	2.6	2.1	1.6	.4	.1	.4	.1																	65	65				
85/85							1.0	4.1	1.6	2.5	1.2	.6																				89	89				
83/83						.9	2.0	1.5	3.0	1.9	.5	.5	.4																			85	85				
81/81			.1	1.7	3.4	2.2	2.0	1.0	1.0	.5	.4																					96	96				
79/79			1.7	3.1	3.4	3.0	1.0	.4	.5																							99	99	2			
77/77			1.9	2.1	3.1	1.5	.7	.2	.4									.1														81	81	65			
75/75		.6	1.9	1.7	1.1	.6	.7	.2	.1	.1																						58	58	135			
73/73		.1	1.6	.6	.2	.4	.4	.1																								28	28	181			
71/71		.4	1.5	.4	.5	.2	.4	.1																								28	28	145			
69/69		.6	.4	.1	.2																											11	12	110			
67/67	.1	.5	.2	.4	.2	.1																										13	13	70			
65/65				.5																												4	4	45			
63/63																																			22		
61/61																																			17		
59/59																																			6		
57/57																																			4		
55/55																																					
53/53																																					
51/51																																					
49/49																																					
47/47																																					
45/45																																					
43/43																																					
TOTAL	.1	2.2	5.1	1.6	15.3	14.3	13.9	10.6	8.3	4.1	4.5	2.0	1.6	.6	.9	.5	.6															804	805	804			
Element (X)	Σx^2		Σx		\bar{x}		s^2		No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.	3069114		47982		59.7		16.001		804		$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total														
Dry Bulb	5517525		66413		82.5		6.912		805						92.5		86.4		61.7		6.7		93														
Wet Bulb	4130501		57535		71.6		4.073		804						81.9		44.3		.1				93														
Dew Point	3531668		53068		66.0		6.003		804						50.3		10.3						93														

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
67/87																.2	.4																3	3			
67/85								.2	.4	.2						.7																	7	7			
67/83					.4	.7	2.9	.2																									19	19			
67/81					3.4	2.2	3.4	1.6								.2																	47	47			
67/79				1.1	3.4	5.2	3.6	1.1	1.1	.2																							70	70			
67/77				2.0	4.7	5.6	3.1	1.1	.9																								78	78	3		
67/75			.4	6.1	5.4	5.4	1.8	.7	.9																								92	92	33	3	
67/73		1.8	2.7	3.4	1.6	.7	.7																										48	48	77	23	
67/71		1.6	2.0	1.8	.7	.9																											31	31	85	52	
67/69		.4	1.8	1.1	.7	1.3																											24	24	100	77	
67/67		.7	.7	.4	.4	.7																											13	13	55	71	
67/65		.7		.9	.2	.2																											9	9	40	61	
67/63			.2	.2	.2																												3	3	19	45	
67/61			.4																														2	2	15	27	
67/59																																				12	16
67/57																																				2	15
67/55																																				5	15
67/53																																					10
67/51																																					6
67/49																																					2
67/45																																					3
TAL	5.6	17.0	25.1	22.0	17.5	7.2	3.8	.9																									446	446	446	446	

USAFETAC FORM 0-26-5 (OLA) JUL 64

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2280275	31481	70.6	11.4	446	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	93
Dry Bulb	2604655	34023	76.3	4.5	446			90.1	75.9	22.9		93
Wet Bulb	2157748	30966	69.4	4.1	446			73.6	23.6			93
Dew Point	1940433	29319	65.7	5.4	446			47.1	5.4			93

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL

HOURS - 4, 5, 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 107																																	.0	2	2	
1 / 107																																	.2	10	10	
1 / 106																																	.4	27	27	
1 / 103																									.0	.0	.2	.1	.1	.1	.1	.1	.1	25	25	
2 / 101																								.1	.4	.2	.1	.1	.1	.1	.1	.1	.1	38	38	
2 / 99																							.2	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	40	40	
2 / 97																			.2	.3	.5	.1	.1	.1									59	59		
2 / 95																.0	.3	.3	.6	.2	.0	.1											77	77		
2 / 93													.0	.1	.6	.7	1.0	.3	.1	.1	.2												162	162		
2 / 91									.0	.1	1.0	1.1	1.7	.6	.3	.2	.1																	258	258	
2 / 89							.0	.1	1.2	2.0	1.7	.7	.7	.4	.1	.0																		355	355	
2 / 87						.1	.4	2.2	1.8	1.3	.7	.2	.4	.1																				360	360	
2 / 85					.4	2.4	1.7	1.7	1.0	.3	.3	.1																						400	400	
2 / 83				.3	1.5	2.1	1.4	.9	.7	.3	.2																							381	381	
2 / 81		.0	.0	.9	2.3	1.7	1.3	.6	.4	.3	.1																							383	383	4
2 / 79		.0	.4	1.8	2.5	1.8	.7	.5	.2	.2	.0																							419	419	43
7 / 77		.1	1.2	2.3	1.8	1.2	.4	.2	.3	.1	.1																							385	385	349
7 / 75		.4	2.3	2.2	1.8	.6	.2	.2	.2	.1	.0																							407	407	727
7 / 73		.7	3.0	2.2	.7	.3	.2	.1	.0																									359	359	944
7 / 71	.0	1.2	2.4	1.5	.3	.1	.3	.0	.0																									300	301	823
7 / 69	.0	1.6	1.9	.7	.4	.2	.0	.0																										248	249	719
6 / 67	.1	1.2	.9	.4	.3	.1	.1																											158	158	616
6 / 65	.1	.7	.7	.4	.2	.0	.1																											109	109	357
4 / 63	.0	.3	.2	.3	.2	.0																												52	52	165
2 / 61		.2	.1	.1	.0	.1																												25	25	139
2 / 59		.0	.2	.0																														13	13	90
5 / 57			.1																															7	7	52
5 / 55			.1																															5	5	32
4 / 53			.0																															1	1	9
2 / 51																																				6
5 / 49																																				
4 / 47																																				
4 / 45																																				
4 / 43																																				
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$											Total														
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

JUL
MON.

PAGE 2

ALL

ALL
HOURS

[illegible]

USAFETAC
FORM
MIL. 9-4
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

AUG
1954

PAGE 1 0300-0500
HOURS 0500-0600

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb	Dew Point		
7 / 77						.9	.9	.3																									7	7			
2 / 75				.3	.6	1.8	1.5																										14	14	1		
4 / 77				3.2	2.6	4.7	.7																										37	37	4	1	
7 / 71				5.8	6.2	1.8																											50	50	23	12	
7 / 69				7.6	9.1	1.5	.5																										54	54	53	31	
7 / 67	.3	7.4	4.1	2.5																													49	49	65	42	
6 / 65	.3	7.9	3.8	1.5	.9																												49	50	43	79	
4 / 63		2.4	2.9	1.2																													22	22	37	50	
7 / 61		2.9	1.8	1.2																													20	20	30	32	
7 / 59		1.5	1.2	.3	.3																												11	11	27	23	
7 / 57		1.2	1.5																														9	9	12	30	
5 / 55		.6	.9	.3																													6	6	10	9	
4 / 53		.6																															2	2	6	13	
2 / 51																																				5	13
7 / 49																																				1	2
7 / 47																																				1	2
4 / 43																																				2	2
T.L.	.4	2.4	3.4	7.1	7.6	4.4	.3																											340	341	340	340

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2451096	28723	84.5	8.370	340	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1581864	23166	67.9	4.872	341			60.3	15.8			93
Wet Bulb	1439213	22061	64.9	4.790	340			39.9	1.4			93
Dew Point	1361966	21442	63.1	5.358	340			23.5	.3			93

NATIONAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT. LEONARD WOOD MO
 STATION STATION NAME

70-81

YEARS

AUG
 1970

PAGE 1 0900-1100
 -0.45

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dry Bulb		TOTAL Wet Bulb Dew Point	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
72																																		1	1		
73																							.1										.1	2	3		
74																							.2										.1	3	3		
75																						.1	.2	1.0									13	13			
76																						.5	.6	.2	.2								13	13			
77																						.1	.6	1.6	1.2	.2							31	31			
78																						.1	.2	.4	.1								46	46			
79																						.1	.2	.4	.2								78	79			
80																						.1	.2	.4	.1								91	91			
81																						.1	.2	.4	.1								86	86			
82																						.1	.2	.4	.1								106	106			
83																						.1	.2	.4	.1								95	95			
84																						.1	.2	.4	.1								82	82			
85																						.1	.2	.4	.1								60	60			
86																						.1	.2	.4	.1								55	55			
87																						.1	.2	.4	.1								29	29			
88																						.1	.2	.4	.1								19	19			
89																						.1	.2	.4	.1								15	15			
90																						.1	.2	.4	.1								6	6			
91																						.1	.2	.4	.1												
92																						.1	.2	.4	.1												
93																						.1	.2	.4	.1												
94																						.1	.2	.4	.1												
95																						.1	.2	.4	.1												
96																						.1	.2	.4	.1												
97																						.1	.2	.4	.1												
98																						.1	.2	.4	.1												
99																						.1	.2	.4	.1												
100																						.1	.2	.4	.1												
TOTAL																																					

Element (X)	Z x'	Z x	X	X	No. Obs	Mean No. of Hours with Temperature					Total
Rel. Hum.	3250.73	507.44	62.4	13.872	835	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb	531.156	664.02	79.4	6.563	836			90.3	79.9	47.1	2.2
Wet Bulb	4042.957	579.65	69.4	4.782	835			68.2	31.3		
Dew Point	3457.459	534.83	64.1	6.174	835			37.8	3.6		

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

AL-116 091 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
FORT LEONARD WOOD, MISSOURI. REVISED UNIFORM SUMMARY OF SURFACE--ETC
APR 82

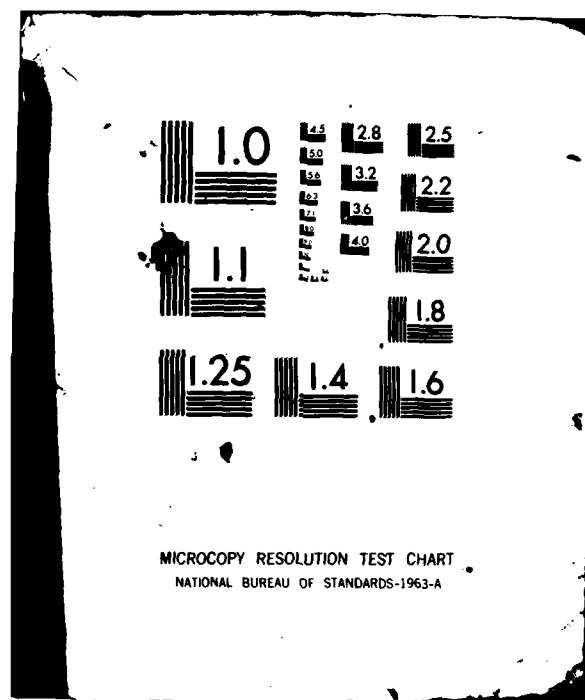
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PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 1200-1400
HOURS: L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1+ / 105																	.2	2	2																
2 / 101																	.1	6	6																
3 0 / 99														.1	.5	.1		6	6																
4 6 / 97												.4	1.3	.2	.2	.1		19	19																
5 6 / 95										.8	1.6	.7	.1					27	27																
6 4 / 93								.6	1.6	.8	1.0	.6	.1					39	39																
7 2 / 91						.4	.1	1.4	2.2	1.0	1.0	.4						53	53																
8 0 / 89					.7	4.0	2.9	2.0	1.1	1.1								98	98																
9 6 / 87				.4	2.3	2.8	1.3	1.1	1.2	1.1								84	84																
10 6 / 85			.2	1.4	3.8	2.0	.7	1.1	1.6	.7	.1							98	98																
11 4 / 83		.1	.1	1.3	1.7	3.2	1.7	1.7	1.0	.7	.4	.4						102	102																
12 2 / 81		.1	.5	.7	2.0	1.9	1.6	.7	1.1	.5		.2						78	78																
13 0 / 79		.1	.8	1.4	1.8	.8	1.4	1.1	1.0	.2								73	73	4															
14 0 / 77		.5	.1	.7	.8	1.0	1.7	.4	.7									49	49	35	1														
15 6 / 75	.4	.4	.1	.7	1.4	.6	.6	.1										36	36	151	6														
16 4 / 73	.2	.2	1.0	.6	.2	.6	.4											27	27	152	23														
17 2 / 71	.4	.5	.2	.2	.4	.5	.1											19	19	122	66														
18 0 / 69	.5	.4		.2	.1													10	10	113	101														
19 0 / 67	.5			.1														5	5	93	123														
20 6 / 65	.1																	1	1	67	107														
21 4 / 63																				44	71														
22 0 / 61		.1	.1															2	2	38	64														
23 0 / 59		.1																1	1	13	67														
24 0 / 57																				3	42														
25 0 / 55																					47														
26 4 / 53																					54														
27 2 / 51																					28														
28 0 / 49																					18														
29 4 / 47																					7														
30 6 / 45																					4														
31 4 / 43																					1														
32 2 / 39																					5														
TOTAL	2.0	2.5	3.0	6.3	10.3	15.8	16.3	10.9	11.6	7.9	7.1	3.8	1.1	.7	.2	.4		835	835		835														
Element (X)	Σ X ²	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature											Total																		
Rel. Hum.	2303978	42106	50.4	14.721	835	≤ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb	6017481	70653	84.6	6.858	835			92.6	88.8	72.6	11.0					93																			
Wet Bulb	4175253	58923	70.6	4.550	835			74.6	38.1	.1					93																				
Dew Point	3363799	52693	63.1	6.802	835			35.6	3.3					93																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 2 1500-1700
HOURS L. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.1	1.7	3.3	4.2	5.3	10.6	13.7	14.0	11.9	8.6	9.7	7.3	4.5	3.5	.7	.4	.5		837	837	837	

Element (X)	$\Sigma R'$	ΣR	\bar{R}	σ_R	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2274976	41596	49.7	15.766	837	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	6069386	71736	84.9	6.967	837			92.7	89.0	73.4	12.3	93
Wet Bulb	4169732	58958	70.4	4.476	837			74.7	36.1	.2		93
Dew Point	3332422	52480	62.7	7.081	837			33.6	3.1			93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

 AUG
MONTH

PAGE 1 1800-2000
HOURS L, S, T, I

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
100 / 99																	.1	1	1																
97 / 97													.1	.1		.1		3	3																
96 / 95											.1	.4	.2	.2				8	8																
94 / 93										.1	.5	.1						6	6																
91 / 91									.4	.4	.5	.2	.1	.1				14	14																
89 / 89							.1	.6	1.2	.7	.7	.1		.1				30	30																
87 / 87					.1		.8	1.1	1.6	1.0	.5	.2						44	44																
86 / 85				.1	.2	2.0	2.0	1.2	1.0	.5								59	59																
84 / 83			.2	1.8	1.3	1.6	1.7	1.1	.5	.5			.1					73	73																
81 / 81			.5	3.4	2.3	2.3	1.4	.7	.2	.1		.1						92	92																
79 / 79		.2	2.2	2.0	3.2	1.7	1.0	.8	.5	.1								98	98	2															
77 / 77	.1	1.1	2.2	2.0	1.6	1.7	.5	.4	.1	.5								84	84	8	2														
76 / 75	.6	2.3	2.9	2.8	1.6	1.0	1.7	.4	.1									110	110	69	3														
74 / 73	1.1	1.1	1.8	1.6	1.1	1.3	.5		.4									73	73	146	19														
72 / 71	.8	1.2	1.1	1.7	1.0	1.1	.5	.1										62	62	135	84														
70 / 69	1.2	1.3	.7	.5	.5	.5												39	39	130	111														
68 / 67	1.1	1.2	.2	.5	.1													26	26	111	100														
66 / 65	.5		.4	.2														9	9	87	102														
64 / 63				.1														1	1	58	89														
62 / 61				.2														2	2	46	82														
60 / 59																				26	66														
58 / 57																				13	43														
56 / 55																				3	42														
54 / 53																					39														
52 / 51																					18														
50 / 49																					13														
48 / 47																					8														
46 / 45																					3														
44 / 43																					2														
42 / 41																					4														
40 / 39																					3														
38 / 37																					1														
TOTAL	5.4	8.4	12.6	16.8	14.6	14.0	10.1	7.6	4.4	3.5	1.1	.7	.6			.2		834	834	834	834														
Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	3326691	50975	61.1	15.9	17	834	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																						
Dry Bulb	5232440	65842	78.9	6.4	26	834			91.7	77.5	42.5	2.0	93																						
Wet Bulb	3989132	57552	69.0	4.6	00	834			67.0	25.1	.1		93																						
Dew Point	3397093	52941	63.5	6.6	18	834			35.6	2.7			93																						

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
61/87									.2									1	1																
61/85							.2	.7	.2									5	5																
41/83					.2	.7	.9	.2										9	9																
41/81			.2	.4	.4	2.0	1.1	.2										20	20																
41/79		.2		1.7	3.1	2.6	.4	.2										38	38																
71/77			1.3	2.2	3.1	1.3	.9											40	40	2	1														
61/75		.9	5.2	4.6	1.5	2.0	.9											69	69	4	1														
41/73		2.8	3.7	4.4	2.4	1.7	.4											71	71	47	6														
41/71		3.1	4.6	2.4	3.1	1.7	.2	.2	.4	.2								73	73	93	33														
41/69		2.8	2.8	2.6	1.7	2.4	1.1	.2	.2									64	64	68	69														
61/67		2.4	2.4	.7	1.1	1.1	.4	.2										38	38	69	82														
61/65		2.0	.9	.9	1.3	.2												24	24	57	64														
41/63			.2	.4	.2													4	4	46	47														
41/61				.2														1	1	27	35														
41/59		.2																1	1	18	39														
51/57																				19	20														
51/55																				8	19														
41/53																					10														
42/51																					16														
51/49																					7														
41/47																					3														
41/45																					1														
44/43																					1														
42/41																					3														
41/39																					1														
TOTAL	14.2	21.6	20.5	18.1	15.7	6.6	2.0	1.1	.2									458	458	458															

724457 FT LEONARD WOOD MO
STATION STATION NAME

YEARS

AUG
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

USA FETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

ALL

HOURS (L. S. T.)

[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0000-0200
HOURS () () ()

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
6 / 75			.6	1.7														4	4																
4 / 73		3.9	1.7	3.4														16	16	3															
2 / 71		6.7	3.9	2.2														23	23	12	5														
7 / 69		3.4	.6															7	7	17	19														
6 / 67		7.3	1.7	1.1	1.7													21	21	21	12														
6 / 65		10.1	2.8	1.7														26	26	18	18														
4 / 63		7.3		1.7														16	16	17	23														
6 / 61		3.9	1.7	1.1														12	12	21	20														
1 / 59		2.2	.6															5	5	10	9														
5 / 57		2.2	1.1															6	6	12	13														
5 / 55		3.4	3.4															12	12	6	12														
4 / 53		2.2		1.1														6	6	7	6														
2 / 51		2.8	1.7															8	8	10	7														
5 / 49		5.0	.6															10	10	7	11														
1 / 47		3.9																7	7	10	7														
4 / 45																				8	9														
4 / 43																					6														
2 / 41																					2														
TOTAL		64.220	114.0	1.7														179	179	179	179														
													</																						

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0300-0500
HOURS U. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
76 / 75				.6	.3													3	3													
74 / 73		1.8	.6	.6	.9													13	13	2												
72 / 71		4.6	4.0	.9														31	31	6	5											
70 / 69		2.4	3.6	.9														23	23	28	14											
68 / 67		4.6	3.0	.9														28	28	32	24											
66 / 65		7.0	1.8	.9	.6													34	34	24	29											
64 / 63		4.6	1.2	1.8														25	25	33	31											
62 / 61	.3	6.7	3.3	.3	.6													37	37	26	24											
60 / 59		2.7	1.8	1.5	.3													21	21	26	32											
58 / 57		3.0	.9	.9	.3													17	17	27	17											
56 / 55		4.9	1.2	.9														23	23	21	28											
54 / 53		.9	1.2	.9														10	10	19	15											
52 / 51		3.0	1.8	.3														17	17	15	20											
50 / 49		3.3	1.8															17	17	18	16											
48 / 47		1.5	.9	.3	.3													10	10	21	18											
46 / 45		4.0	.9	.3														17	17	14	17											
44 / 43		.6																2	2	10	20											
42 / 41		.3																1	1	6	7											
40 / 39																				1	6											
38 / 37																					3											
36 / 35																					1											
34 / 33																					2											
TOTAL		.355	.928	.312	.2	3.3												329		329	329											

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4 / 33					.1	.3	.1											3	3					
5 / 31					.1		.3			.1								4	4					
6 / 29				.1	.5	.4												8	8					
7 / 27			.3	.6	.4	.3	.3											14	14					
8 / 25		.3	.4	1.4	1.0	.1												25	25					
9 / 23		.9	.9	2.1	.3	.3												35	35	14	2			
10 / 21		2.5	3.0	1.5	.1													57	57	21	12			
11 / 19		1.8	3.9	1.0	.9	.1												61	61	61	26			
12 / 17	.4	3.0	2.4	1.6	.9	.3		.1										69	69	70	56			
13 / 15		3.3	2.0	2.0	.5	.1												63	63	68	81			
14 / 13		3.8	1.8	1.5	.8	.3												64	64	53	57			
15 / 11	.1	3.3	2.8	1.6	.9	.3	.1											72	72	64	49			
16 / 9	.3	2.6	4.4	1.9	.5		.1											78	78	67	55			
17 / 7		2.0	1.6	1.9	.4	.1												48	48	67	60			
18 / 5		3.5	2.0	1.4	.6													60	60	61	62			
19 / 3		.5	2.3	1.1	.3													33	33	66	64			
20 / 1		1.1	2.4	.8														34	34	45	50			
21 / -1		1.5	1.3	.5	.3													28	28	43	33			
22 / -3		1.4	.9	.1														19	19	44	55			
23 / -5		.6	.8	.1														12	12	23	51			
24 / -7		.8	.4															9	9	14	27			
25 / -9		.1	.1															2	2	13	20			
26 / -11																				4	22			
27 / -13																					9			
28 / -15																					4			
29 / -17																					3			
TOTAL	.8	32.8	33.3	21.3	8.3	2.4	.9	.1		.1								798	798	798	798			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81
YEARS

SEP
MONTH

PAGE 1 0900-1100
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
4 / 93											.1	.1						2	2						
5 / 91									.1		.1							2	2						
6 / 89								.5	.6	.1								10	10						
6 / 87						.1	.6	1.0	.7	.1								21	21						
6 / 85						.5	1.2	1.0	.4									25	25						
4 / 83				.1	.2	1.4	1.5	.9	.1									34	34						
7 / 81				.4	1.2	2.0	1.0	.4	.5				.1					45	45						
7 / 79			.1	.9	.6	1.5	.7	1.0	.7	.2								47	47						
7 / 77				.9	2.4	.9	1.7	.6	.2	.1	.1	.1						57	57	6					
6 / 75		.4	1.0	1.1	1.6	1.4	1.0	.7	.1	.1	.1							61	61	28	2				
74 / 73		.5	2.1	1.6	1.0	2.0	1.9	1.2	.2		.1							86	86	58	8				
7 / 71		.6	1.4	2.4	1.4	1.2	1.1	.4		.1								69	69	79	28				
7 / 69		.7	1.4	1.0	1.0	2.0	1.0	.6	.2	.1								65	65	74	51				
6 / 67		.7	.7	1.2	.9	1.2	.5	.1	.1	.1								46	46	67	79				
6 / 65		.4	.5	.7	.6	1.2	1.1		.1	.1								39	39	72	78				
4 / 63		1.4	.6	1.2	.5	1.0	.9	.1	.1									47	47	64	65				
7 / 61		1.6	1.0	1.7	1.4	1.1	.4	.2										60	60	70	35				
7 / 59		.2	.2	.7	1.1	.4	1.0	.2										32	32	69	62				
7 / 57	.1	.5	1.4	.5	.6	.6												30	30	41	67				
5 / 55		.6	.6	.6	.6	.1												21	21	54	53				
4 / 53		.1	.1	.4	.1													6	6	60	49				
2 / 51		.1	.2															3	3	24	58				
5 / 49																				30	35				
4 / 47																				12	26				
4 / 45																					41				
4 / 43																					23				
2 / 41																					15				
4 / 39																					11				
3 / 37																					12				
7 / 35																					4				
34 / 33																					4				
2 / 31																					1				
2 / 27																					1				
Element (X)	Σ X ²		Σ X		Σ		Σ _A		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

SEP
MONTH

PAGE 2 0900-1100
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
74.4	.4	7.9	11.9	15.8	14.5	19.2	14.9	8.8	4.5	1.2	.6	.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

USAFETAC
FORM
AN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1200-1400
HOURS 10-5-10

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

HOURS: 11 A.M. - 5 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

SEP
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	.4	4.3	6.1	7.8	9.1	12.5	13.9	11.7	13.8	9.6	6.1	2.7	1.1	.6	.2			805			805	805													

Element (X)	Σx^2	Σx	Σ	σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2557476	43176	53.6	17.340	805	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4809530	61824	76.8	8.742	805			77.6	61.7	36.2	2.8	90
Wet Bulb	3438182	52318	65.0	6.872	805			42.3	12.7			90
Dew Point	2722497	46179	57.4	9.557	805		.4	16.3	1.0			90

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1800-2000
MOJIBS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 / 95								.1	.2	.2	.1							1	1																
67 / 89								.1	.2	.5								6	6																
87 / 87						.1		.2	.5									7	7																
67 / 85						.1	.4	.9	.2	.4								16	16																
47 / 83					.2	.1	1.0	.1	.1	.1				.1				15	15																
77 / 81				.1	.4	1.5	.9	.7	.1					.1				31	31																
7 / 79			.1	.2	1.1	1.5	.7	1.4	.4	.1								45	45																
7 / 77		.5	.2	2.6	.9	1.2	.4	.4	.1	.4								54	54	4															
67 / 75		.1	1.6	2.5	2.5	1.5	1.2	.6	.1	.1	.1							84	84	7															
74 / 73		.4	1.5	4.2	1.0	2.4	1.0	.6			.1							90	90	30	6														
7 / 71		1.4	1.6	1.5	1.4	2.1	.9	.1	.2		.1							75	75	72	16														
77 / 69		1.9	1.5	.7	1.9	1.6	.5	.5	.2	.1								72	72	88	37														
67 / 67		1.1	2.4	.9	1.0	.9	.6	.2	.5									61	61	98	75														
67 / 65		1.1	1.0	1.4	1.2	1.0	.4	.2	.2									53	53	72	99														
47 / 63		.6	.7	1.1	1.1	.7	.5	.1	.1									41	41	84	61														
77 / 61		.9	1.1	1.0	1.5	1.0	.4	.2										49	49	67	53														
7 / 59	.4	1.1	.9	1.5	1.1	.9												47	47	60	69														
7 / 57		.5	.4	.9	.6	.6												24	24	49	72														
5 / 55		.5	.2	.6	.7	.1												18	18	53	53														
47 / 53		.5	.2	.1														7	7	43	45														
27 / 51			.4	.1	.2													6	6	32	42														
5 / 49																				29	48														
4 / 47																				11	23														
47 / 45																				2	31														
47 / 43																				1	12														
42 / 41																					28														
47 / 39																					13														
3 / 37																					7														
37 / 35																					3														
37 / 33																					5														
27 / 31																					3														
7 / 29																					1														
TOTAL	.4	10.1	14.2	17.2	18.7	17.1	9.9	6.7	3.5	1.1	.9			.2				802	802		802														
Element (X)	ΣX ²	ΣX	X	X ²	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	3666892	52788	65.8	15.497	802	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	4035605	56539	70.5	7.881	802			62.5	39.2	11.1	.1	90																							
Wet Bulb	3212130	50448	62.9	6.958	802			33.6	4.6			90																							
Dew Point	2740565	46339	57.8	8.878	802		.4	15.0	.7			90																							

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/ 91				.2														1	1																
1/ 79			.2	.7	.7	.9												11	11																
7/ 77				.2	.9	.5					.2							8	8																
76/ 75			.9	2.0	1.1	.5				.2								21	21	3															
4/ 73		2.3	2.0	3.6	.9	.9		.2	.2									45	45	6	3														
1/ 71		2.3	3.4	1.4	1.8	1.1	.2	.2										46	46	21	7														
1/ 69		3.6	3.2	1.1	2.0	.2	.5	.2										48	48	48	22														
6/ 67	.2	3.2	2.0	.7	2.0	.9	.2	.2										42	42	42	41														
66/ 65		3.6	2.9	3.2	.7	.2	.2	.5										50	50	43	45														
4/ 63		1.8	1.1	1.6	.9	.2	.2											26	26	51	41														
2/ 61		2.0	1.4	1.6	.9	.2	.2	.2										29	29	25	36														
1/ 59	.5	1.4	.7	2.0	.7	.2	.7											27	27	47	19														
1/ 57		2.3	2.0	1.1	.2	.2	.5											28	28	24	43														
5/ 55		.5	2.5	.9	.2													18	18	31	32														
4/ 53		1.6	1.1	2.0														21	21	29	22														
2/ 51		.7	1.8	.7														14	14	30	26														
5/ 49		.5	.7	.2														6	6	13	23														
4/ 47																				21	23														
4/ 45																				6	22														
4/ 43																				1	4														
2/ 41																					19														
4/ 39																					6														
1/ 35																					1														
3/ 33																					1														
2/ 31																					5														
TOTAL		.725	.626	.123	.413	.2	6.1	2.0	2.0	.5	.2	.2						441	441	441	441														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
97																																	5		5	
95																			.1	.0			.1	.0								13		13		
93																		.1	.0	.2	.2	.1										29		29		
91															.1	.2	.4	.2	.1													49		49		
89													.1	.3	.5	.4	.3	.0														80		80		
87								.1	.1	.2	.3	.7	.2	.1	.0			.0	.1									.1				93		93		
85							.0	.4	.4	.9	.5	.4	.1	.0	.1	.1			.0	.1												142		142		
83					.0	.2	.7	1.1	.6	.4	.6	.1			.1	.1			.0													189		189		
81				.0	.2	.5	1.0	.7	.3	.8	.5	.2	.1	.1	.1	.0																213		213		
79		.0	.1	.4	.8	1.2	.5	1.0	.5	.4	.1	.1	.1	.1																		254		254	5	
77			.2	.6	1.4	.6	1.1	.6	.5	.2	.2	.1	.0																			268	268	36	1	
75		.1	.7	1.4	1.2	.9	.7	.5	.3	.3	.1																					315	315	104	7	
73		.9	1.3	2.1	.7	1.1	.9	.6	.4	.1	.1	.1																				409	409	269	34	
71		1.6	2.0	1.3	.9	.8	.6	.4	.3	.1	.1																					403	403	385	135	
69		1.6	1.9	.8	1.0	.8	.3	.4	.3	.1																						353	353	494	257	
67	.1	1.8	1.6	.8	.9	.6	.6	.4	.3	.0																						350	350	474	411	
65		2.0	1.2	1.2	.6	.8	.5	.4	.1	.0																						339	339	471	525	
63		1.8	.8	1.2	.9	.5	.6	.1	.0																							300	300	432	410	
61	.0	1.8	1.2	1.1	.7	.5	.3	.2																								297	297	385	316	
59	.3	1.1	1.3	1.0	.4	.4	.1	.1																								235	236	383	372	
57	.0	1.1	.9	.7	.4	.2	.0																									167	167	327	369	
55		1.3	1.0	.6	.3	.0																										161	161	323	356	
53		.5	.6	.5	.1																											84	84	291	301	
51		.6	.8	.2	.0																											82	82	211	277	
49		.7	.4	.1	.0																											61	61	156	235	
47		.5	.2	.0	.0																											36	36	121	210	
45		.4	.2	.0																												29	29	53	231	
43		.2	.1																													11	11	26	144	
41		.0	.0																													3	3	19	136	
39																																		5	97	
37																																			63	
35																																			27	
33																																			18	
31																																			10	
Element (K)	2 g'		2 g		X		°a		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum.											± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 92 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

ALL
MOUNTS 1-3-7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3 / 29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONIN

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 0600-0800
HOURS 11.5.7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/ 73					.5			.1										5	6																
57/ 71			1.7	.5	.1		.1											14	14																
77/ 69		.1	.6	.1		.1	.2											10	10																
67/ 67		.1	1.2	.1	.4		.1											14	14	13	2														
67/ 65		1.2	.7	.4	.1	.1	.1											22	22	15	13														
47/ 63		1.8	1.0	1.2	.1	.2												36	36	20	14														
27/ 61		2.1	1.2	.7	.9	.2												42	42	19	23														
77/ 59		2.6	2.7	1.2	.7	.6												64	64	37	17														
57/ 57	.1	2.6	3.9	2.1	.1	.2	.4	.2										79	79	54	31														
57/ 55		1.0	2.3	2.0	.5	.5	.5											55	55	56	39														
47/ 53		1.0	1.7	1.1	.4	.6												39	39	52	52														
52/ 51		.5	2.6	1.1	1.2	.7												50	50	54	33														
57/ 49		1.1	2.2	1.4	.6													43	43	41	44														
47/ 47		1.0	1.2	2.0	1.8													49	49	47	39														
47/ 45		1.7	2.0	1.7	.1													45	45	45	52														
47/ 43		2.2	2.6	1.0														47	47	63	50														
42/ 41		1.7	2.7	1.2														46	46	56	27														
47/ 39	.2	3.1	2.1	.1														45	45	64	48														
37/ 37	.2	3.1	1.6	.2														42	42	58	44														
77/ 35		.7	2.1	.5														27	27	42	64														
34/ 33		1.2	.5															14	14	28	69														
27/ 31		1.4	.2															13	13	21	66														
77/ 29		.9	.2															9	9	17	36														
27/ 27		.2	.1															3	3	7	19														
77/ 25																				4	8														
24/ 23		.1																1	1		11														
27/ 21																				1	4														
77/ 19																					5														
77/ 17																					4														
TOTAL		.631	.436	.418	.7	7.6	3.4	1.5	.4									814	815	814	814														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2196582	41488	50.9	10.195	814		3.0	5.0	.7			93
Wet Bulb	1874568	38256	47.0	9.709	814		5.7	1.5				93
Dew Point	1591841	34897	42.9	10.854	814		17.5	.2				93

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 0900-1100
HOURS U. S. T.

[illegible]

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

OCT
MONTH

PAGE 1 1200-1400

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

OCT
MONTH

PAGE 2 1200-1400
HOURS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 25																																					23		
24 / 23																																					7		
2 / 21																																					8		
1 / 19																																					6		
1 / 17																																					5		
1 / 15																																					1		
TAL	.2	4.2	5.7	6.0	6.3	10.4	15.2	16.3	14.1	11.1	1.1	6.6	2.0	1.3	.2	.1																			835	835	835		

PSYCHROMETRIC SUMMARY

73-81

YEARS

OCT
MONTH

PAGE 1 1500-1700

[illegible]

JSAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 2 1500-1700
HOURS L. S. T.

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

OCT
MONTH

PAGE 1 1800-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
81												.5																			5	5					
79												.1	.2	.2																	6	6					
77						.1	.2	.4	.1	.1	.5																				12	12					
75					.5	.6	.1	.4	.5	.2	.1																				20	20					
73			.1	.7	.1	.2	.5	.4	.6	.1																					23	23					
71			.2	.5	.2	.7	.6	.2	.1																						27	27					
69		.2	.6	.4	1.4	1.2	.6	1.4	.2																						51	51	10				
67		.4	.4	1.6	1.4	1.0	1.6	1.1	1.1																						70	70	17	1			
65		.5	.4	2.3	1.1	1.4	1.0	.8	.4																						65	65	25	23			
63		.2	1.2	1.2	1.4	1.3	1.1	1.3	.4																						68	68	28	14			
61		.5	.5	.7	1.3	1.1	1.8	1.2	.4																						62	62	54	5			
59	.2	1.2	.6	.6	.5	2.1	.8	.7	.2																						58	58	68	29			
57		.6	.7	.7	1.6	1.7	1.6	.4																							60	60	58	42			
55		1.0	.5	.5	1.3	1.8	1.3	.1																							54	54	65	53			
53			.4	1.2	1.2	1.4	1.4																								47	47	58	42			
51		.5	.4	.6	1.9	2.2	.5																								50	50	57	42			
49			1.0	.7	1.4	1.0																									34	34	68	34			
47		.2	.5	.8	2.3	.2																									34	34	54	43			
45		.2	.8	1.1	1.0	.2																									28	28	59	52			
43			.9	.7	.2	.1																									16	16	63	25			
41		.2	1.4	.5	.4	.1																									22	22	50	59			
39		.2	.6	.6	.1																										13	13	46	51			
37				.1																											1	1	23	37			
35																																		15	59		
33				.2																											2	2	7	47			
31				.1																											1	1	1	77			
29																																			32		
27																																			3		
25																																			24		
23																																			2		
19																																			3		
17																																			3		
15																																			3		
Element (X)	Σ X'			Σ X			Σ			σ _x			No. Obs.			Mean No. of Hours with Temperature																					
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

OCT
MONTH

PAGE 2 1800-2000
HOURS 12.5.71

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

YEARS

QCT
MONTH

PAGE 1 2100-2300

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

OCT
MONTH

PAGE 1

ALL
HOURS U.S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																										
97																			1	1																																											
91											.0			.0					4	4																																											
89											.0	.1	.0	.0			.0		9	9																																											
87										.1	.2	.0	.0	.1					18	18																																											
85								.0	.1	.2	.1	.2	.1	.1	.0				38	38																																											
83						.1	.1	.1	.2	.1	.1	.1	.0						43	43																																											
81						.0	.2	.0	.2	.4	.1	.1	.0						57	57																																											
79					.0	.2	.2	.3	.4	.3	.4	.1	.1						100	100																																											
77				.1	.3	.4	.5	.5	.5	.3	.0	.1							135	135																																											
75			.0	.1	.3	.2	.4	.7	.3	.4	.6	.1							156	156																																											
73		.0	.3	.3	.5	.4	.5	.5	.6	.2	.0								169	170	7																																										
71		.5	.5	.6	.4	.6	.6	.4	.5	.2									216	216	27																																										
69	.1	.5	.5	.8	.5	.5	.6	.6	.5	.2									244	244	65	1																																									
67	.1	.9	.7	.6	.6	1.0	.7	.7	.4	.0									285	285	125	20																																									
65	.9	.7	1.0	.5	.6	.6	.6	.8	.3	.0									307	307	170	107																																									
63	.0	.6	.9	.9	.6	.7	.7	1.0	.6	.1									309	309	280	103																																									
61	.0	1.0	.8	.8	.8	.6	1.0	.9	.6	.0									330	330	284	113																																									
59	.1	1.4	1.4	.9	.5	1.2	.9	.8	.2										367	367	333	198																																									
57	.0	.9	1.3	.9	.7	1.0	.9	.8	.0										331	331	338	237																																									
55	.7	.8	.8	1.0	.8	1.3	.1												276	276	380	248																																									
53	.3	.7	.8	.7	1.2	.6	.1												220	220	358	264																																									
51	.5	1.0	.7	1.1	1.3	.4	.0												248	248	314	239																																									
49	.0	.3	1.2	.7	1.1	.5	.2												199	199	358	224																																									
47	.5	.7	1.1	1.2	.2	.1													188	188	343	253																																									
45	.5	.8	1.1	.4	.2	.0													158	158	299	282																																									
43	.8	1.2	.7	.3	.1														149	149	334	222																																									
41	.8	1.3	.6	.2	.0														143	143	282	275																																									
39	.1	1.0	.7	.2	.1														102	102	252	323																																									
37	.1	.8	.5	.2	.1														81	81	176	277																																									
35	.2	.4	.1																40	40	109	329																																									
33	.3	.1	.0																24	24	60	303																																									
31	.3	.1	.0																18	18	43	373																																									
29	.2	.1																	11	11	25	229																																									
27	.1	.0																	4	4	12	141																																									
Element (X)	Σ x ²					Σ x					x̄					s _a					No. Obs.					Mean No. of Hours with Temperature																																					
Rel. Hum.																										± 0 F						± 32 F						± 67 F						± 73 F						± 80 F						± 93 F						Total	
Dry Bulb																																																															
Wet Bulb																																																															
Dew Point																																																															

PSYCHROMETRIC SUMMARY

73-81

YEARS

OCT
MONTH

PAGE 2

ALL
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 25																						6	100												
2 / 23	.0																	1	1			42													
2 / 21																				1		25													
1 / 19																						25													
1 / 17																						21													
1 / 15																						7													
TAL	.312	.416	.714	.012	.111	.210	.6	8.5	6.2	4.3	2.5	.7	.4	.1	.0	.0		4982		4981															
																		4981		4981															

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	18816590	290224	58.3	19.565	4981	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	18533830	298138	59.8	11.790	4982		5.1	220.4	109.2	33.8	.1	744
Wet Bulb	13633116	256394	51.5	9.350	4981		13.0	33.5	1.0			744
Dew Point	10065195	216805	43.5	11.234	4981		143.8	3.1				744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

74.80

YEARS

NOV
MONTH

PAGE 1 0000-0200

HOURS S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
67 / 65		1.1																															1	1		
64 / 63		2.2																														2	2	1		
61 / 61																																			2	3
59 / 59		3.3				2.2	2.2																									7	7			
57 / 57																																			3	
55 / 55				2.2																													2	2		3
53 / 53				1.1																													1	1	3	
51 / 51		5.4	2.2	1.1																												8	8	5		
49 / 49		4.3		1.1																												5	5	5	6	
47 / 47		3.3	1.1																													4	4	5	6	
45 / 45			3.3	1.1	4.3																											8	8	4	6	
43 / 43			3.3	2.2	5.4																											10	10	2	3	
41 / 41		3.3	2.2	1.1																												6	6	7		
39 / 39		3.3	4.3	1.1																												8	8	3	5	
37 / 37		6.5	3.3	4.3																												13	13	17	5	
35 / 35																																			10	2
33 / 33			6.5	1.1																												7	7	4	7	
31 / 31			4.3	1.1																												5	5	5	8	
29 / 29		1.1	2.2																													3	3	6	3	
27 / 27		2.2																														2	2	10	8	
25 / 25																																			8	
23 / 23																																			4	
21 / 21																																			7	
19 / 19																																			6	
17 / 17																																			2	
TOTAL		35.9	35.9	16.3	12.0																												92	92	92	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	483024	6550	71.2	13.544	92	$\leq 0^\circ F$	$\leq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	182736	4116	43.7	9.035	92		9.8					90
Wet Bulb	154404	3674	39.9	9.189	92		20.5					90
Dew Point	121842	3184	34.6	11.314	92		45.0					90

Element (X)	ΣX	ΣX^2	ΣX^3	ΣX^4	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	483224	6550	71.2	13.544	92	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$
Dry Bulb	182736	4116	43.7	9.035	92		9.8				
Wet Bulb	154404	3674	39.9	9.189	92		20.5				
Dew Point	121842	3184	34.6	11.314	92		45.0				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO 74 YEARS NOV MONTH

PAGE 1 0300-0500
HOURS G. S. T. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 67				1.1																													1	1		
6 / 65				2.2																													2	2		
4 / 63																																				3
4 / 61					1.1																												1	1		3
4 / 59					1.1																												1	1		
4 / 57			3.3	2.2	1.1																												6	6		
5 / 55				1.1																													1	1	4	1
4 / 53			1.1	2.2																													3	3	4	2
2 / 51			2.2																														2	2	5	2
5 / 49			4.4	2.2																													6	6	1	7
4 / 47			4.4																														4	4	6	5
4 / 45				3.3			2.2																										5	5	4	4
4 / 43			2.2	5.6	1.1	2.2																											10	10		3
2 / 41			1.1	1.1	4.4																												6	6	7	
4 / 39				4.4	3.3																												7	7	5	3
3 / 37			6.7	3.3	3.3																												12	12	6	4
3 / 35			3.3	2.2																													5	5	13	3
3 / 33				2.2																													2	2	10	5
2 / 31			1.1	3.9																													9	9	4	8
1 / 29			1.1	3.3																													4	4	4	3
2 / 27			3.3																														3	3	11	14
2 / 25																																			3	4
2 / 23																																				5
2 / 21																																				7
1 / 19																																				7
TOTAL			34.4	45.6	15.6	4.4																											90	90	90	
																																	90	90	90	

Element (X)	Z _g	Z _h	X	° _g	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	506761	6667	74.1	112.0	90	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	171364	3434	42.6	9.502	90		16.0	1.0			90
Wet Bulb	147039	3535	39.3	9.594	90		22.0				90
Dew Point	119996	3122	34.7	11.464	90		48.0				90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

NOV
1964

PAGE 1 0600-0800
HOURS 5-7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
6 / 67			.1																									1	1					
6 / 65			.3					.3																					4	4				
4 / 63			.7					.1																					6	6	1			
4 / 61		.3	1.0	.4	.1																								13	13	2	1		
4 / 59		3.3	1.0	.1	.1	.3																							35	35	11	4		
4 / 57	.1	1.9	.4		.1					.1																			20	20	37	23		
5 / 55		3.3	.8	.1	.5																								35	35	22	22		
4 / 53		1.1	.4	.4	.8			.1																					21	21	30	28		
4 / 51		1.2	.8	.1	.1	.5																							21	21	12	21		
5 / 49		.7	.5	.8	.7	1.0																							27	27	18	14		
4 / 47	.1	2.3	2.2	1.0	.4																								44	44	20	15		
4 / 45		1.5	1.2	2.3	.7																								42	42	30	10		
4 / 43		1.5	1.9	2.7	.4																								43	43	33	20		
4 / 41		1.8	1.9	2.3	.3																								46	46	46	32		
4 / 39	.3	1.5	2.6	1.1	.1																								41	41	53	25		
3 / 37	.1	3.0	2.6	1.6	.1																								55	55	50	28		
4 / 35		3.7	2.2	.7	.3																								50	50	63	38		
3 / 33		2.7	2.4	.5																									42	42	53	42		
2 / 31	.4	2.6	3.8	.5																									54	54	49	77		
1 / 29	.1	2.9	1.9																										36	36	45	53		
2 / 27	.3	2.7	1.1																										30	30	55	52		
2 / 25		1.9																											14	14	33	32		
2 / 23		1.2																											9	9	18	38		
2 / 21	.5	.8																											10	10	16	43		
1 / 19	.4	1.4																											13	13	7	44		
1 / 17	.1	.7																											6	6	12	25		
1 / 15	.4	.3																											5	5	6	15		
1 / 13		.5																											4	4	2	10		
1 / 11		.1																											1	1	3	10		
1 / 9		.7																											5	5	2			
1 / 7		.3																											2	2	5	2		
1 / 5		.1																											1	1	2			
1 / 3																																	1	
1 / 1																																	9	
Element (X)	Σ x'		Σ x		x		e _s		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Num.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

73-61

NOV
MONTH

PAGE 2 0600-0800
HOURS S. T.

[illegible]

USAFETAC
FORM
JAN 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATA WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION

73-81

YEARS

NOV
MONTH

PAGE 2 1200-1400
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
1- / 13																					2	20													
1- / 11																						6													
1- / 9																						2													
1- / 7																						4													
1- / 5																						2													
1- / 3																						1													
1- / 1																						4													
1- / -1																						4													
1- / -3																						1													
TOTAL	.613.610.513.213.613.012.9 7.6 7.3 4.0 2.6 1.0																	806	807	806															

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2532345	42083	52.220.403		806							
Dry Bulb	2405939	42725	52.913.364		807		6.5	16.4	6.2	.6		90
Wet Bulb	1678469	35737	44.310.802		806		12.5	.1				90
Dew Point	1069309	27315	33.913.357		806	.6	45.3					90

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 1 1500-1700

HOURS: 4, 5, 7, 8

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 81										.1								1	1																
1 / 79										.1	.2	.1	.2					6	6																
7 / 77								.5		.1	.2	.1	.1					9	9																
76 / 75								.2		.1	.2	.4						8	8																
14 / 73							.2	.6	.4	.7		.2	.1					19	19																
1 / 71					.1	.5	.1	.6	.2	.4	.2	.1						19	19																
1 / 69				.2	.7	.5	.5	.7	.4	.5	.5							33	33																
6 / 67			.4	.4	.5	.5	.7	.5	.1	.6	.1							31	31																
6 / 65			.5	.5	.6	.4	.5	.2	1.1	.5	.4							38	38	2															
14 / 63		.1	.5	.5	.4	.6	.9	.1	1.4	.1								37	37	17															
1 / 61		.9	.5		.4	.9		1.4	1.1									41	41	24	3														
1 / 59		1.1	.4	.2	.4	.5	.7	1.4	.5	.1								43	43	36	10														
1 / 57		1.0	1.1	.1	.7	.2	.6	1.5	.2	.1								46	46	47	19														
5 / 55		.6	.1	.7	.5	1.4	.7	.5	.6									42	42	37	40														
4 / 53		.5	.1	.5	.5	1.1	1.1	.7	.2									39	39	35	19														
2 / 51		.1	.4	.4	1.4	.4	.7	.6	.2									34	35	38	23														
5 / 49			.2	.5	.4	1.6	1.1	.4										34	34	35	22														
1 / 47		.9	.4	.1	1.0	1.2	1.1	.1										39	39	52	16														
4 / 45		1.0	1.0	.7	1.7	1.0	1.2											54	54	55	36														
14 / 43		1.5	.7	.1	1.0	.6	.1											33	33	57	27														
22 / 41		.5	1.5	1.2	.7	.6												37	37	43	34														
4 / 39	.1	.9	.4	1.2	1.5	.1												34	34	57	32														
3 / 37		.2	.5	.7	.7													18	18	64	28														
7 / 35		1.2	.9	1.0	.5													29	29	39	37														
3 / 33		.9	.7	1.2	.6													28	28	45	38														
2 / 31		.4	.9	.6														15	15	35	65														
1 / 29	.1	.4	.4	.5														11	11	23	51														
2 / 27		.4	.4	.2														8	8	26	45														
2 / 25			.4	.1														4	4	12	47														
24 / 23		.2	.1	.4														6	6	10	29														
2 / 21			.2	.1														3	3	2	30														
1 / 19		.1	.1															2	2	5	39														
1 / 17			.1															1	1	3	22														
1 / 15																				2	36														
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
14 / 13																																			1	21
13 / 11																																				15
12 / 9																																				7
11 / 7																																				2
10 / 3																																				1
9 / 1																																				5
8 / -1																																				3
TOTAL	213	013	012	614	512	511	2	9	7	7	5	3	1	2	1	6																		802	803	802

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2523359	41875	52.2	20.509	802	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2343238	42106	52.4	12.992	803		5.6	14.1	4.8	.3		90
Wet Bulb	1638818	35240	43.9	10.622	802		13.4					90
Dew Point	1038533	26799	33.4	13.363	802	.3	46.9					90

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457
STATION

FT LEONARD WOOD MO
STATION NAME

73-81
YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
71 / 71										.1	.3	.3	.1																				6	6			
71 / 69								.3	.5	.6	.1																						12	12			
69 / 67				.4	.4	.1	.1	.1	.1																								11	11			
67 / 65			.4	1.3	.3	.6	.6	.1	.1	.1																							28	28			
65 / 63		.4	.5	.1	1.1	.4	.5	.1	.3																								26	26	4		
63 / 61		.6	.5	.9	.5	.6	.5	.1	.1	.1																							32	32	16	4	
61 / 59		1.4	1.1	.9	.9	.9	.5	1.0	.3																								55	55	28	6	
59 / 57	.1	1.6	.5	.5	.6	.3	.8	.5	.3																								41	41	30	22	
57 / 55		.9	.4	.6	.6	1.5	.9	.4																									42	42	39	28	
55 / 53		1.0	.3	1.1	.3	1.6	1.4	.1																									46	46	38	24	
53 / 51		.5	.9	.6	.4	1.0	.9	.1																									35	35	26	20	
51 / 49		.1	.8	.6	1.4	1.8	.6	.1																									43	43	37	35	
49 / 47		1.1	.6	1.1	1.9	1.3	.4	.1																									52	52	31	11	
47 / 45		1.4	.5	1.0	1.5	.5	.3																										41	41	57	28	
45 / 43		1.1	.8	1.4	.6	1.0	.4																										43	43	45	43	
43 / 41		1.1	1.3	1.5	1.6	.6																											49	49	63	25	
41 / 39		1.1	1.8	1.6	1.8	.4																											53	53	53	23	
39 / 37	.1	1.4	.9	1.6	.8																												38	38	60	31	
37 / 35		1.3	.6	.6	.6																												25	25	51	29	
35 / 33		1.4	1.0	1.0	.5																												31	31	54	48	
33 / 31		.9	1.3	.8																													23	23	43	64	
31 / 29	.1	.3	1.4	.5																													18	18	36	55	
29 / 27	.1	.3	.8	.3																													11	11	25	48	
27 / 25		.4	1.5	.5																													19	19	17	51	
25 / 23																																				18	12
23 / 21	.3	.1	.3																														5	5	9	32	
21 / 19		.3	.3																														4	4	4	49	
19 / 17		.1	.1																														2	2	3	29	
17 / 15		.1	.1																														2	2	3	31	
15 / 13		.1																															1	1	2	14	
13 / 11																																			2	12	
11 / 9																																				5	
9 / 7																																				5	
7 / 5																																				1	
Element (X)	ΣX^2		ΣX		\bar{X}		σ^2		No. Obs.		Mean No. of Hours with Temperature												Total														
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq 93 F$		Total														
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7 / 69				.3			.2											3	3																	
6 / 67				.2	.5	.2		.2										6	6																	
6 / 65				.3	.3	.5	.2	.2										9	9																	
4 / 63		.5	.2	.5	.5	.2			.2									12	12	3																
2 / 61		.9	.8	.2	.5	.8	.3											22	22	8	6															
1 / 59		2.2	.6	.9	.3	.2												27	27	12	4															
1 / 57		2.0	1.2	.8	.5	.3	.2											32	32	25	16															
5 / 55		1.6	.3	.9	1.1	.6	.5	.3										34	34	26	18															
4 / 53		1.1	1.1	.6	.5	.9	.9											33	33	30	19															
2 / 51		1.7	1.1	.5	1.1	1.4	.6											41	41	21	25															
5 / 49		.9	1.6	.2	.6	1.2												29	29	33	22															
4 / 47		.5	.5	1.1	2.3	.8												33	33	26	16															
4 / 45		1.4	1.1	2.0	2.9	.3	.2											51	51	25	18															
4 / 43		.8	1.1	1.7	1.4	.5	.2											36	36	34	24															
2 / 41		.9	2.9	1.9	1.1	.3												46	46	39	18															
4 / 39	.2	.9	.9	1.2	.9													27	27	56	28															
3 / 37		1.7	1.6	1.9	1.1													40	40	59	17															
7 / 35		.8	1.4	2.2	.3													30	30	29	30															
3 / 33		.6	2.3	1.6	.2													30	30	46	43															
2 / 31		1.6	1.9	.6														26	26	30	46															
2 / 29	.3	.9	2.0	.2														22	22	47	35															
2 / 27		.3	1.1															9	9	24	38															
2 / 25		1.7	.8															16	16	22	45															
2 / 23		1.1	.5															10	10	20	24															
2 / 21		.3	.5															5	5	9	36															
2 / 19	.5	.3																5	5	7	29															
1 / 17		.3																2	2	3	29															
1 / 15		.6																4	4	2	21															
14 / 13		.3																2	2	5	12															
1 / 11		.3																2	2	1	8															
1 / 9		.2																1	1	3	5															
8 / 7																					4															
2 / 5																					5															
4 / 3																					1															
Element (X)	ΣX^2			ΣX			\bar{X}			σ_A			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																$\leq 0 F$			$\leq 32 F$			$\geq 67 F$			$\geq 73 F$			$\geq 80 F$			$\geq 93 F$			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

NOV

MONTH

PAGE 1

ALL

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 81																	.0																3	3		
1 / 79																	.0	.1	.0	.1												15	15			
7 / 77													.0	.1	.1	.1	.1	.1	.1	.0												17	17			
6 / 75											.0	.1	.0	.1	.1	.1	.1	.1	.1	.0												25	25			
4 / 73										.3	.1	.1	.3	.1	.1	.1	.1	.1	.1	.1												46	46			
1 / 71						.0	.1	.2	.2	.3	.1	.2	.1	.0							.0											58	58	1		
7 / 69					.2	.3	.3	.5	.3	.1	.1	.2	.1	.0							.0											91	91			
6 / 67				.2	.3	.5	.3	.4	.1	.1	.2	.1																				108	108			
6 / 65		.0	.4	.6	.3	.3	.4	.2	.4	.3	.1																					139	139	9	1	
4 / 63		.2	.4	.3	.4	.4	.5	.1	.5	.1																						138	138	60		
2 / 61		.9	.6	.5	.3	.5	.3	.5	.4	.1																						191	191	85	21	
1 / 59		1.8	.7	.5	.5	.5	.5	.8	.2	.0																						261	261	163	58	
1 / 57	.2	1.4	.8	.4	.4	.4	.5	.6	.1	.0																						228	228	231	135	
5 / 55		1.1	.4	.5	.6	1.0	.6	.4	.3																							235	235	199	169	
4 / 53		.8	.4	.7	.6	1.0	.9	.3	.1																							224	224	207	140	
2 / 51		.8	.6	.6	.8	.9	.6	.2	.1																							216	217	169	126	
5 / 49		.5	.7	.6	.7	1.1	.5	.1	.0																							203	203	193	148	
1 / 47	.0	1.2	.7	.7	1.4	.9	.4	.1																								264	264	236	112	
4 / 45		1.2	1.0	1.3	1.7	.5	.4																									285	285	293	160	
4 / 43		1.2	1.3	1.2	1.7	.7	.2																									262	262	271	172	
4 / 41		1.1	1.5	1.7	.8	.5																										264	265	305	174	
4 / 39	.1	1.0	1.6	1.4	.9	.1																										245	245	327	166	
3 / 37	.0	1.5	1.5	1.3	.6																											237	237	362	185	
1 / 35		1.8	1.2	1.0	.3	.3																										205	205	310	223	
3 / 33	.0	1.1	1.4	1.2	.3																											193	193	316	268	
2 / 31	.1	1.4	1.8	.8																												197	198	238	403	
1 / 29	.2	1.0	1.4	.2	.0																											136	136	223	305	
2 / 27	.1	.8	.6	.1																												76	76	216	326	
1 / 25		.7	.5	.1																												61	61	121	263	
2 / 23		.6	.1	.1																												36	36	78	175	
2 / 21	.1	.3	.2	.1																												32	32	48	221	
1 / 19	.1	.3	.1																													29	29	31	244	
1 / 17	.0	.2	.1																													16	16	23	163	
1 / 15	.1	.1	.1																													16	16	20	157	
Element (X)	Σx ²			Σx			Σ			Σ ₁			No. Obs.			Mean No. of Hours with Temperature							Total													
Ref. Num.																± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 STATION FT LEONARD WOOD MO
STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 2

ALL
HOURS ... S. T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 13			.2																														8	8	15	83	
1 / 11			.1																														3	3	10	53	
1 / 9			.1																														7	7	6	19	
1 / 7			.0																														2	2	5	21	
1 / 5			.0																														1	1	2	8	
1 / 3																																				12	
1 / 1																																				27	
1 / -1																																				14	
1 / -3																																				1	
TOTAL	1.0	23.6	20.3	16.3	12.3	9.8	7.0	4.1	3.0	1.4	.8	.3																					4773	4776	4773		

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	19936975	293855	61.6	19.665	4773	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	11620865	227221	47.6	13.030	4776		93.6	54.7	16.0	1.2		720
Wet Bulb	8788219	197903	41.5	11.049	4773		156.3	.2				720
Dew Point	6174460	160112	33.5	12.976	4773	2.3	376.4					720

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

74

YEARS

DEC
MONTH

PAGE 1 0300-0500
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.		TOTAL Dry Bulb		TOTAL Wet Bulb		Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
5 / 49								3.3																									2	2				
4 / 47								1.7																									1	1				
4 / 45			1.7																														1	1				
4 / 43				3.3																													2	2	3	1		
2 / 41				5.0																													3	3	6	2		
4 / 39				6.7																													4	4	2	3		
3 / 37				3.3	1.7	3.3																											5	5	2	2		
2 / 35				5.0		5.0																											6	6	2	2		
3 / 33				13.3	5.0																												11	11	4	2		
2 / 31				1.7	5.0																												4	4	12	4		
1 / 29				3.3																													2	2	9	5		
2 / 27		1.7	5.0																														4	4	2	8		
1 / 25			1.7	5.0																													4	4	3	5		
2 / 23				3.3																													2	2	3	2		
2 / 21				8.3																													5	5	6	6		
1 / 19				3.3																													2	2	2	4		
1 / 17				3.3																													2	2	4	4		
1 / 15																																				5		
1 / 13																																				3		
1 / 11																																				2		
TOTAL	1.7	6.8	3.1	6.7	8.3	5.0																											60	60	60	60		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	356251	4569	76.2	11.876	60	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	68130	1964	32.7	8.069	60		38.8					93
Wet Bulb	58448	1820	30.3	7.412	60		63.6					93
Dew Point	43852	1546	25.8	8.251	60		74.4					93

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-61

YEARS

DEC
MONTH

PAGE 2 3600-3800
HOURS 11:51 T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-5																																			
-7			1															1	1			7													
-9																				1		4													
-21																					1	1													
TOTAL	5.756	5.22	7	7.8	3.1	1.2											688		688		688														

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3999450	51612	75.0	13.631	688							93
Dry Bulb	749297	21259	30.9	11.597	688	1	49.9					93
Wet Bulb	643872	19661	28.6	10.927	688	1	61.5					93
Dew Point	486197	16181	23.5	12.400	688	4.3	74.2					93

PSYCHROMETRIC SUMMARY

73-81

YEARS

DEC
MONTH

PAGE 7 0900-1100
HOURS 100-200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -3																																				1	10
- / -5																																			1	1	6
- / -7																																			1		
- / -19																																				1	
- / -21																																				2	
TOTAL	4.5	35.9	28.2	16.0	8.5	4.2	1.7	.7	.2																									836	936	836	

CLIMAT. CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

124457 FT LEONARD WOOD MO
STATION

73-81

YEARS

DEC
MONTH

PAGE 2 1200-1400
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
/ 1																						18													
/ -1																						10													
- / -3																						6													
- / -5																						6													
- / -7																						2													
- / -17																						3													
TOTAL	3.118	.921	.316	.712	.113	.6	6.6	4.7	1.7	.7	.4	.2							837		836														
																		836			836														

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Rel. Hum.	3066915	47641	57.0	20.532	836							
Dry Bulb	1543672	34350	41.0	12.659	837		22.1	2.1				93
Wet Bulb	1118008	29298	35.0	10.454	836		35.4					93
Dew Point	670164	21110	25.3	12.814	836	3.0	70.0					93

PSYCHROMETRIC SUMMARY

YEARS

NOJRS 5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dea. Point														
72 / 71							.1	.1										2	2																
71 / 69							.1											1	1																
69 / 67				.1	.1			.2	.1				.1					6	6																
66 / 65			.1	.5	.2		.1	.4	.1		.4							15	15																
64 / 63				.4	.2	.5	.4	.2	.4									17	17																
62 / 61		.4	.4		.1	.5	.1	.4		.2								17	17	4															
61 / 59		.8		.7	.1	.2	.8		.1									20	20	6															
59 / 57	.5	.4		.4		.2	.7	.1										19	19	14	5														
58 / 55	.1	.1	.2	.1	.5	1.3	.4	.1										24	24	10	9														
54 / 53	.2		.1	.8	1.0	1.0	.6	.1										32	32	13	9														
52 / 51		.8		.5	1.7	.6	.8											38	38	15	13														
50 / 49	.7	.4	.2	.6	1.2	1.1	.2											37	38	12	4														
49 / 47	.5		.6	1.6	.7	1.3	.1											40	40	24	8														
47 / 45	.2	.7	.4	.2	.4	2.0	.1											34	34	35	14														
47 / 43		.6	1.4	.8	1.3	1.6	.6											53	53	42	15														
42 / 41		.8	.7	1.0	1.7	1.1	.2											46	46	50	12														
40 / 39	.4	.8	2.2	1.6	2.0	1.4												70	70	56	16														
39 / 37	1.0	1.6	1.7	1.7	1.0	.1												58	58	61	16														
37 / 35	.8	1.1	2.3	1.7	.5	.1												54	54	77	44														
36 / 33	.2	1.8	1.7	.7	1.0	.1												46	46	81	46														
29 / 31	.6	1.9	1.4	1.3	.6	.2												51	51	84	53														
29 / 29		1.0	1.4	.6	.2													27	27	52	57														
27 / 27		1.3	1.2	.5	.5													29	29	32	62														
26 / 25		.8	1.9	.7	.1													30	30	42	54														
24 / 23		.2	.1	.7														9	9	27	46														
22 / 21	.1	.6	.4	.7														15	15	26	40														
20 / 19		.8	.6	.2														14	14	15	69														
19 / 17		.6	.8															12	12	20	44														
18 / 15		.6	.1															6	6	10	34														
14 / 13		.2																4	4	12	50														
12 / 11			.1															1	1	3	16														
11 / 9			.1															1	1	2	11														
9 / 7		.1																1	1	2	14														
7 / 5		.5																4	4	3	16														
Element (X)	Σ X'		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704457 FT LEONARD WOOD MC
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
- / 7																																				2	7	
- / 1																																					19	8
- / -1																																					10	3
- / -3																																					3	3
- / -5																																					2	1
- / -7																																					3	3
- / -9																																					2	1
- / -11																																					1	3
- / -15																																					3	3
TOTAL	3.4	18.2	21.8	15.0	14.2	12.5	7.9	4.8	1.3	.4	.4	.1																							833	834	833	

Element (X)	Z _X	Z _X	X	P _A	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3009250	47014	56.4	20.680	833	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1522067	34123	40.9	12.295	834		22.7	1.0				93
Wet Bulb	1100804	29044	34.9	10.292	833		37.2					93
Dew Point	655407	20717	24.9	12.980	833	3.3	69.4					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MD
STATION STATION NAME

73-81
YEARS

DFC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67							.1											1	1																
66						.2												2	2																
63		.1		.1														2	2																
61		.1	.4	.2				.1										7	7		2														
59		.5	.5		.1	.1		.1										11	11		2														
57		.6	.5		.2	.2	.1											14	14	14															
55		.6	.4	.4	.5	.4	.5		.1									23	23	13	14														
53		.7	.2	.1	.2	.2	.4	.2										19	18	7	10														
51		.2	.2	.1	.7	.5	.2											17	17	10	6														
49		.4	.1	.2	1.1	.5	.2											21	21	12	9														
47		1.1		.9	2.1	.5	.2											39	39	13	9														
45		.7	.1	1.0	1.5	.6	.4											42	42	18	10														
43		1.0	.4	1.1	1.2	.7	.4											39	39	24	11														
41		1.5	1.1	1.1	1.7	.6												49	49	35	9														
39		1.6	.9	1.5	2.7	.4												57	57	54	14														
37	.1	1.3	2.0	2.6	1.8	.2												66	66	54	17														
35	1.7	1.6	3.8	2.0	1.0	.1												83	83	52	38														
33	.1	2.4	2.7	1.5	.9													62	62	79	43														
31	.4	2.6	2.7	2.0	.2													64	64	103	50														
29	.1	1.1	2.0	.9	.1													34	34	86	52														
27		1.8	.7	.5														25	25	41	63														
25		1.8	1.6	1.0	.1													37	37	46	56														
23		1.6	.7	.1														20	20	36	34														
21	.4	1.5	.6															20	20	32	51														
19		1.0	1.2	.4														21	21	20	70														
17		.6	.9															12	12	15	59														
15		.1	.1															2	2	15	33														
13		1.2	.2															12	12	7	38														
11		.7	.2															8	8	10	30														
9		.1	.1															2	2	8	12														
7		.1	.1															2	2	5	11														
5																					5														
3		.2																2	2	1	9														
1		.5																4	4	3	22														
Element (X)	Σ x'	Σ x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2

1800-2000
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																						
/ -1																																				3	9		
- / -3																																					7		
- / -5																																					9		
- / -7																																					1		
- / -11																																					1		
- / -15																																					1		
- / -17																																					1		
- / -19																																					1		
- / -21																																					1		
TOTAL	2.8	29.6	24.4	18.3	16.3	5.4	2.6	.5	.1																										818	818	818		

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3525932	51576	63.1	118.3	818	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	1213536	30120	36.8	11.3	818		30.1	.1				93
Wet Bulb	947425	26531	32.4	10.3	818	.3	49.0					93
Dew Point	623219	19953	24.4	12.9	818	3.5	71.2					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724457 FT LEONARD WOOD MO
STATION STATION NAME

73-81

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 3			.2																														11	11	13	57
/ 1		.1	.2																														12	12	12	101
/ -1		.0	.1																														5	5	6	45
- / -3		.0																															1	1	3	53
- / -5			.0																														1	1		37
- / -7			.0																														1	1	1	12
- / -9																																			1	3
- / -11																																				2
- / -15																																				4
- / -17																																				4
- / -19																																				2
- / -21																																				6
TAL	4.233	0.024	0.015	0.110	0.7	6.6	3.4	1.9	.6	.2	.1	.1																					4733	4735	4733	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21298611	304249	64.319	180	4733	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	7142973	174349	36.812	360	4735	1.3	259.3	4.6				744
Wet Bulb	5521713	153513	32.410	708	4733	1.7	381.4					744
Dew Point	3633988	116640	24.612	669	4733	26.4	571.2					744

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

PAGE 1

ALL

HOURS 11:30 A.M. - 1:00 P.M.

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL MONTH
ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																												
	0	1	2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																													
2 / 41	.0	.6	.6	.6	.4	.1	.0																							1481	1482	1379	1688																													
4 / 39	.2	.6	.7	.5	.4	.1	.0																							1441	1442	1954	1739																													
7 / 37	.1	.7	.7	.6	.3	.0																								1442	1443	1867	1632																													
7 / 35	.2	.8	.7	.5	.2	.0																								1438	1439	1763	1818																													
3 / 33	.2	1.0	.7	.4	.1	.0																								1502	1503	1857	1944																													
2 / 31	.1	1.1	.9	.5	.1	.0																								1538	1540	1750	2482																													
7 / 29	.2	.7	.7	.2	.0																									1081	1084	1668	2124																													
2 / 27	.1	.6	.5	.2	.0																									901	901	1243	1968																													
7 / 25	.0	.6	.5	.1	.0																									780	780	1159	1785																													
2 / 23	.0	.5	.2	.1	.0																									516	516	915	1191																													
2 / 21	.1	.5	.4	.1	.0																									626	626	744	1353																													
7 / 19	.1	.7	.3	.0	.0																									702	706	595	1498																													
1 / 17	.0	.5	.2	.0	.0																									444	444	652	1192																													
1 / 15	.0	.3	.1	.0	.0																									295	296	406	1011																													
1 / 13	.0	.3	.1	.0	.0																									234	234	322	768																													
1 / 11	.0	.3	.1	.0	.0																									203	203	250	679																													
7 / 9	.1	.2	.0	.0	.0																									166	167	232	565																													
7 / 7	.0	.2	.0	.0	.0																									141	141	180	414																													
7 / 5	.0	.1	.0	.0	.0																									89	89	131	304																													
7 / 3	.0	.1	.0	.0	.0																									71	71	94	306																													
7 / 1	.0	.1	.0	.0	.0																									72	72	75	387																													
7 / -1	.0	.0	.0	.0	.0																									43	43	56	230																													
- / -3	.0	.0	.0	.0	.0																									33	33	39	155																													
- / -5	.0	.0	.0	.0	.0																									21	21	24	131																													
- / -7	.0	.0	.0	.0	.0																									11	11	11	92																													
- / -9	.0	.0	.0	.0	.0																									5	5	9	45																													
- / -11	.0	.0	.0	.0	.0																									1	1	1	60																													
-1 / -13																																	24																													
-1 / -15																																	39																													
- / -17																																	15																													
- / -19																																	16																													
- / -21																																	10																													
-2 / -23																																	1																													
-2 / -25																																	7																													
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																													
Rel. Hum.																																± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																								
Dry Bulb																																																														
Wet Bulb																																																														
Dew Point																																																														

USAFETAC
FORM
PLA 44
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

ALL
MONTH

ALL

HOURS .. S. T.

[illegible]

USAFETAC
FORM
JUN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH
TAC
CATHY SERVICE/44C

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4457 FT LEONARD WOOD MO

73-61

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	32.4	31.1	42.3	50.9	59.1	68.5	72.4	70.2	63.4	56.2	43.7	34.9	53.5	
S D	13.437	9.534	10.179	11.212	7.619	5.615	4.385	4.157	7.839	9.038	9.635	9.642	16.953	
TOTAL OBS	161	167	186	183	185	180	170	186	179	101	92	80	1867	
MEAN	31.2	30.1	40.8	48.3	56.5	65.4	69.8	67.9	61.1	51.4	42.6	32.7	54.3	
S D	13.501	10.014	10.723	10.851	8.075	6.281	4.715	4.872	8.185	10.559	9.502	8.069	15.717	
TOTAL OBS	185	198	216	226	363	330	334	341	329	269	90	60	2941	
MEAN	24.1	25.9	40.1	51.6	59.5	68.6	73.7	70.4	62.5	50.9	40.5	30.9	50.8	
S D	13.577	13.053	11.826	10.135	8.208	6.311	5.709	5.901	8.300	10.195	11.754	11.597	19.211	
TOTAL OBS	733	734	794	776	819	801	825	827	798	815	736	688	9396	
MEAN	26.1	34.4	47.1	59.9	67.6	76.4	82.5	79.4	71.6	60.5	47.3	35.3	57.6	
S D	13.452	13.853	12.911	11.147	8.810	6.562	6.711	6.563	8.712	10.538	12.608	11.907	20.895	
TOTAL OBS	636	760	835	810	836	810	834	836	808	836	809	836	9846	
MEAN	34.0	40.2	52.9	65.1	71.8	80.3	87.2	84.6	76.8	66.7	52.9	41.0	62.9	
S D	13.751	14.628	13.453	11.641	9.125	6.973	7.225	6.858	8.903	10.958	13.364	12.659	20.746	
TOTAL OBS	634	761	836	810	835	810	825	835	809	835	807	837	9834	
MEAN	34.0	41.5	54.0	66.2	72.3	81.1	87.7	84.9	76.8	66.6	52.4	40.9	63.4	
S D	13.697	14.486	13.211	11.468	9.013	6.803	7.594	6.967	8.742	10.571	12.992	12.295	20.581	
TOTAL OBS	630	757	837	810	835	810	828	837	805	835	803	834	9821	
MEAN	31.4	37.5	49.6	61.5	67.8	76.7	82.5	78.9	70.5	59.6	47.6	36.8	58.5	
S D	12.681	13.212	12.145	10.584	8.319	6.269	6.912	6.426	7.881	9.471	11.706	11.308	19.550	
TOTAL OBS	607	741	836	809	833	763	805	834	802	829	794	818	9671	
MEAN	29.2	34.5	45.8	56.7	63.0	71.4	76.3	73.5	65.7	55.9	44.4	34.7	52.2	
S D	13.082	12.781	11.268	9.956	7.524	5.363	4.552	4.707	7.305	9.284	11.687	11.598	18.318	
TOTAL OBS	643	615	702	659	519	431	446	458	441	462	645	582	6603	
ALL HOURS	MEAN	30.5	35.8	47.9	59.5	66.2	75.1	81.0	78.0	70.2	59.8	47.6	36.8	57.6
	S D	13.871	14.133	13.301	12.244	10.025	8.291	8.837	8.608	10.142	11.790	13.030	12.360	20.269
	TOTAL OBS	5079	4733	5242	5080	5225	4935	5067	5154	4971	4982	4776	4735	59979

CLIMATE CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

4457 FT LEONARD WOOD MO
 STATION STATION NAME

73-81

YEARS

HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	29.9	29.5	39.2	46.5	55.9	64.4	67.5	66.7	61.0	51.7	39.9	32.3	50.1
	S D	12.792	9.256	9.686	11.309	8.238	5.310	4.730	3.754	7.698	9.153	9.189	8.696	16.383
	TOTAL OBS	161	167	186	180	185	180	170	186	179	101	92	90	1867
	MEAN	29.1	28.4	39.1	44.6	53.8	62.0	66.2	64.9	58.5	47.8	39.3	30.3	51.4
	S D	12.890	9.484	10.175	10.763	8.558	6.047	4.623	4.790	8.151	10.211	9.594	7.412	15.319
	TOTAL OBS	165	198	216	226	363	330	334	340	329	269	90	60	2940
	MEAN	22.3	26.8	37.2	46.6	55.5	63.6	68.2	65.6	58.7	47.0	37.4	26.6	47.1
	S D	13.016	12.243	11.095	9.325	8.406	5.875	4.361	5.094	7.953	9.709	11.224	10.927	17.981
	TOTAL OBS	781	734	789	776	819	801	825	827	798	814	736	688	9388
	MEAN	25.4	30.7	41.6	50.9	59.4	67.2	71.7	69.4	63.3	52.0	41.6	31.6	50.5
-11	S D	12.497	12.042	11.012	9.801	8.106	5.709	4.278	4.782	7.432	9.039	10.941	10.695	17.986
	TOTAL OBS	834	760	835	810	836	809	834	835	808	836	808	836	9841
	MEAN	29.3	34.3	44.8	53.0	60.8	68.4	72.6	70.6	65.2	54.4	44.3	35.0	52.8
1-14	S D	11.889	11.605	10.632	8.624	7.674	5.531	4.149	4.550	7.040	8.674	10.802	10.454	16.953
	TOTAL OBS	833	761	835	810	835	809	825	835	808	835	806	836	9828
	MEAN	29.9	34.8	45.2	53.4	60.9	68.8	72.6	70.4	65.0	54.3	43.9	34.9	52.9
1-17	S D	11.635	11.155	10.145	8.390	7.467	5.448	4.006	4.476	6.872	8.393	10.622	10.292	16.744
	TOTAL OBS	828	757	837	810	835	810	827	837	805	935	802	833	9816
	MEAN	27.7	32.5	42.7	51.5	59.3	67.6	71.6	69.0	62.9	51.4	41.5	32.4	50.9
-20	S D	11.539	11.049	10.051	8.414	7.723	5.553	4.073	4.600	6.958	8.601	10.590	10.314	17.055
	TOTAL OBS	807	741	836	809	833	763	804	834	802	829	794	818	9670
	MEAN	26.3	30.8	40.8	49.5	57.5	65.5	69.4	67.4	60.9	50.1	39.7	31.2	47.1
1-23	S D	12.250	11.321	10.019	8.836	7.847	5.424	4.177	4.637	7.275	8.906	10.990	10.712	17.040
	TOTAL OBS	642	615	702	659	519	431	446	458	441	462	645	582	6602
	MEAN	27.1	31.5	41.8	50.5	58.5	66.5	70.7	68.5	62.5	51.5	41.5	32.4	50.5
ALL HOURS	S D	12.482	11.732	10.815	9.342	8.255	6.023	4.701	5.070	7.729	9.350	11.049	10.708	17.335
	TOTAL OBS	571	4733	5236	5080	5225	4933	5065	5152	4970	4981	4773	4733	59952

2

ALTIMATOLOGY BRANCH
TAC
CATER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

24457 FT LEONARD WOOD MO

73-81

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	24.5	25.8	34.7	41.5	53.1	62.0	64.6	64.7	59.3	47.5	34.6	27.5	46.6	
S D	14.347	10.457	11.363	13.531	10.036	5.782	6.033	4.282	8.083	10.918	11.314	10.164	18.000	
TOTAL OBS	161	167	186	180	185	180	170	186	179	101	92	80	1667	
MEAN	24.6	24.9	34.1	40.6	51.5	59.8	64.1	63.1	56.6	44.1	34.7	25.8	48.5	
S D	14.198	10.574	11.751	12.496	10.015	6.544	5.335	5.358	8.815	11.322	11.464	8.251	16.663	
TOTAL OBS	185	198	216	226	363	330	334	340	329	269	90	60	2940	
MEAN	16.9	22.0	32.9	41.2	52.2	60.5	65.3	62.9	56.0	42.9	32.8	23.5	43.1	
S D	15.216	13.712	12.411	10.888	10.112	6.800	4.895	5.721	8.778	10.854	12.545	12.400	19.416	
TOTAL OBS	731	734	789	776	819	801	825	827	798	814	736	688	9388	
MEAN	16.6	23.9	34.6	42.1	52.9	61.8	66.4	64.1	57.9	44.0	34.4	24.7	43.9	
S D	14.720	13.351	12.503	11.307	10.962	7.555	5.565	6.174	9.151	11.191	12.567	12.561	19.456	
TOTAL OBS	634	760	835	810	836	809	834	835	808	836	808	836	9841	
MEAN	19.9	24.7	35.3	41.6	52.7	61.5	65.3	63.1	57.7	43.3	33.9	25.3	43.8	
S D	14.127	12.766	12.658	11.453	10.762	7.835	6.369	6.802	9.442	11.641	13.357	12.814	19.043	
TOTAL OBS	833	761	835	810	835	809	825	835	808	835	806	836	9828	
MEAN	19.9	24.3	34.9	41.4	52.4	61.8	65.1	62.7	57.4	43.0	33.4	24.9	43.5	
S D	13.911	12.351	12.470	11.373	10.733	7.892	6.534	7.081	9.557	11.538	13.363	12.980	19.049	
TOTAL OBS	828	757	837	810	835	810	827	837	805	835	802	833	9816	
MEAN	19.6	23.9	34.1	41.6	52.7	62.2	66.0	63.5	57.8	43.3	33.4	24.4	43.6	
S D	13.958	12.525	12.233	11.331	10.749	7.476	6.003	6.618	8.878	11.043	13.171	12.927	19.262	
TOTAL OBS	817	741	836	809	833	763	804	834	802	829	794	818	9670	
MEAN	19.4	24.0	34.2	41.9	52.9	61.9	65.7	63.8	57.5	44.3	33.0	24.6	41.3	
S D	14.570	12.724	11.686	11.416	10.319	6.792	5.420	6.253	8.923	10.822	13.145	12.701	19.170	
TOTAL OBS	642	615	702	659	519	431	446	458	441	462	645	582	6602	
ALL HOURS	MEAN	19.5	23.9	34.3	41.6	52.6	61.5	65.5	63.3	57.4	43.5	33.5	24.6	43.7
S D	14.499	12.772	12.330	11.435	10.569	7.371	5.858	6.359	9.110	11.234	12.976	12.669	19.133	
TOTAL OBS	5071	4733	5236	5080	5225	4933	5065	5152	4970	4981	4773	4733	59952	

3-AT-1- SERVICE/MAC

RELATIVE HUMIDITY

77-21

454

STATION

STATION NAME

PERIOD

MONITOR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-01	100.0	100.0	100.0	100.0	93.0	78.9	60.4	30.3	13.7	71.7	181
	02-05	100.0	100.0	100.0	100.0	98.4	89.7	72.4	44.0	14.6	77.5	18
	06-08	100.0	100.0	99.7	98.7	95.0	86.8	66.2	34.3	9.8	74.1	781
	09-11	100.0	100.0	100.0	96.4	87.1	70.7	46.0	21.0	7.0	60.0	634
	12-14	100.0	99.9	96.6	83.6	60.2	44.1	28.0	10.9	4.9	50.7	873
	15-17	100.0	100.0	92.9	77.3	57.7	42.5	27.3	12.4	4.2	57.0	627
	18-20	100.0	100.0	98.1	91.4	74.0	54.0	35.9	11.2	3.3	63.0	507
	21-23	100.0	100.0	99.7	97.2	85.0	60.4	43.0	20.1	3.1	67.1	647
TOTALS		100.0	100.0	99.3	93.1	81.8	66.5	47.5	24.7	3.4	67.0	5271

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

77-21

STATION

STATION NAME

021100

NOTES

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-3	0-02	100.0	100.0	100.0	100.0	99.4	95.9	76.7	50.1	31.5	21.7	163
	3-05	100.0	100.0	100.0	99.5	98.5	94.9	81.4	54.1	25.3	21.0	19
	6-08	100.0	100.0	99.9	99.2	98.6	86.4	65.1	39.5	18.7	7.0	234
	9-11	100.0	99.9	99.0	95.9	83.4	53.7	40.3	24.3	11.3	67.4	75
	12-14	100.0	99.2	93.4	79.5	57.6	39.0	24.8	14.6	6.0	27.1	761
	15-17	100.0	96.4	88.1	69.6	51.4	33.7	23.9	12.0	5.2	14.1	757
	18-20	100.0	99.6	96.0	86.4	64.5	47.0	30.5	17.2	7.0	6.6	741
	21-23	100.0	100.0	99.0	94.5	83.3	66.0	40.0	20.0	12.2	67.0	613
TOTALS		100.0	99.6	97.0	90.6	79.4	60.1	47.3	31.1	14.0	65.2	4737

USAFETACFORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

77-21

STATION

STATION NAME

PERIOD

495

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
1-5	5-02	100.0	100.0	100.0	98.9	93.7	79.0	61.0	46.0	27.1	71.0	100
1-5	5-05	100.0	100.0	100.0	100.0	95.4	86.4	65.3	46.0	24.5	77.7	210
1-5	5-08	100.0	100.0	100.0	99.2	94.7	86.4	67.4	42.7	17.4	76.4	780
1-5	5-11	100.0	100.0	99.4	88.4	75.2	56.9	36.9	23.6	9.2	64.0	630
1-5	5-14	100.0	99.5	88.9	69.9	50.7	37.0	25.4	13.4	7.2	44.9	430
1-5	5-17	100.0	98.7	81.5	63.6	47.9	33.2	23.8	10.5	6.0	37.0	537
1-5	5-20	100.0	99.9	97.2	77.8	59.1	42.2	31.7	17.4	9.1	50.3	230
1-5	5-23	100.0	100.0	98.7	92.6	76.1	53.7	42.9	20.8	11.5	66.4	700
TOTALS		100.0	99.8	95.1	85.3	74.0	60.2	44.2	25.9	13.6	65.4	4236

RELATIVE HUMIDITY

73-81

421

STATION

STATION NAME

PERIOD

MONTH _____

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01-02	100.0	100.0	100.0	96.7	88.9	71.7	53.3	35.6	16.0	71.6	181
	03-05	100.0	100.0	100.0	100.0	96.9	83.6	61.9	42.0	18.6	75.6	221
	06-08	100.0	100.0	99.6	96.8	87.0	68.4	48.3	26.1	9.7	69.4	775
	09-11	100.0	99.6	91.7	71.7	53.0	37.2	25.1	14.9	3.7	55.3	610
	12-14	100.0	96.4	73.7	51.2	35.6	24.4	15.7	7.5	1.4	46.4	617
	15-17	100.0	95.4	77.0	46.9	30.5	21.0	13.7	5.5	.7	44.2	51
	18-20	100.0	98.9	85.2	63.7	45.0	31.9	21.6	11.9	1.9	51.7	679
	21-23	100.0	100.0	96.4	82.9	64.0	46.7	33.3	20.6	5.2	63.0	659
TOTALS		100.0	98.3	89.6	76.1	62.6	46.1	34.2	20.9	6.4	59.4	5080

RELATIVE HUMIDITY

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	97.6	91.4	80.0	55.0	23.2	1.0	127
	03-05	100.0	100.0	100.0	99.7	98.3	95.6	84.6	65.4	31.9	11.7	268
	06-08	100.0	100.0	99.9	98.9	95.4	86.6	70.7	49.7	17.6	7.7	319
	09-11	100.0	99.6	96.6	86.1	70.1	52.2	32.1	15.5	5.0	1.7	536
	12-14	100.0	99.6	91.4	72.7	51.6	32.6	19.9	9.9	2.7	0.0	835
	15-17	100.0	99.6	88.9	70.2	50.4	30.4	17.8	11.0	4.0	0.0	835
	18-20	100.0	99.6	86.9	63.9	48.3	50.5	28.8	17.8	6.1	0.0	833
	21-23	100.0	100.0	99.8	97.1	85.0	73.4	54.5	34.1	12.7	71.4	517
TOTALS		100.0	99.9	96.7	88.6	77.1	64.1	48.5	33.0	12.9	67.4	5225

RELATIVE HUMIDITY

77-01

44

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	6-8	100.0	100.0	100.0	100.0	100.0	99.9	81.7	55.6	11.1	70.1	10
	9-11	100.0	100.0	100.0	100.0	99.7	98.8	89.1	61.3	15.4	70.4	27
	12-14	100.0	100.0	100.0	100.0	98.0	89.3	69.7	41.3	6.9	70.1	21
	15-17	100.0	100.0	99.4	94.9	76.6	51.1	27.0	10.0	3.7	60.0	20
	18-20	100.0	99.0	97.5	82.7	53.0	31.0	16.7	6.1	1.7	64.0	20
	21-23	100.0	99.9	97.0	77.9	50.0	30.0	15.0	7.4	.9	60.0	11
	24-26	100.0	100.0	99.6	94.6	75.6	50.5	30.1	14.4	0.0	62.4	16
	27-29	100.0	100.0	100.0	100.0	97.4	81.9	56.9	31.5	0.3	70.0	43
TOTALS		100.0	100.0	99.0	95.0	81.3	66.5	48.6	29.4	6.3	64.0	497

RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-1	1-21	100.0	100.0	100.0	100.0	99.7	93.5	74.7	41.2	5.2	75.0	17
	1-22	100.0	100.0	100.0	100.0	99.7	97.6	89.5	61.3	14.7	75.0	34
	1-23	100.0	100.0	100.0	99.9	98.7	89.6	70.4	40.7	7.3	75.0	82
	1-11	100.0	99.9	98.2	91.6	75.5	46.5	19.8	.1	1.2	69.0	34
	1-14	100.0	98.5	91.6	74.4	46.3	21.1	10.9	4.4	.7	60.3	27
	1-17	100.0	97.6	89.2	69.5	43.4	23.0	12.1	5.0	.8	43.6	27
	1-20	100.0	99.3	95.0	86.8	71.0	43.5	26.7	11.9	1.1	58.7	504
	1-23	100.0	100.0	100.0	99.6	94.7	80.9	52.0	21.3	2.2	70.0	44
TOTALS		100.5	99.4	98.2	91.3	78.2	61.6	44.5	24.5	4.7	63.7	504

RELATIVE HUMIDITY

77-51

STATION

STATION NAME

PERIOD

MONTH

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UNITED STATES AIR FORCE
OFFICE OF THE SECRETARY
WASHINGTON, D. C. 20330

7-21

1

STATION	STATION NAME	PERIOD	MONTH									
CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)												
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-2	1-2	100.0	100.0	100.0	100.0	100.0	99.4	97.1	77.1	50.0	30.0	12
3-5	3-5	100.0	100.0	100.0	100.0	100.0	99.6	98.1	71.4	50.0	30.0	70
6-10	6-10	100.0	100.0	100.0	99.7	99.7	94.3	80.0	49.4	19.7	7.0	79
11-11	11-11	100.0	99.9	99.9	99.9	79.9	52.2	33.7	10.0	7.1	30.0	79
12-14	12-14	100.0	99.9	99.4	79.1	49.4	29.0	16.1	9.3	0.6	30.7	49
15-17	15-17	100.0	98.6	95.3	74.4	49.6	31.4	16.1	9.4	0.6	30.0	49
18-20	18-20	100.0	100.0	99.5	95.1	64.2	59.9	39.9	0.0	0.0	30.0	100
21-23	21-23	100.0	100.0	99.9	97.3	94.9	83.7	66.4	41.7	10.2	70.0	441
TOTALS		100.0	99.7	99.6	92.6	62.1	69.2	55.6	35.4	10.7	30.0	441

RELATIVE HUMIDITY

73-24

15

STATION

STATION NAME

PERIOD

MONIN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-5	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	100
6-10	100.0	100.0	100.0	100.0	99.9	99.7	99.3	98.0	96.4	94.3	92.5	100
11-15	100.0	100.0	100.0	99.9	99.3	98.6	97.3	95.6	93.4	90.7	87.9	100
16-20	100.0	100.0	99.9	99.5	98.9	98.2	97.4	96.2	94.7	92.7	90.4	100
21-25	100.0	99.9	99.2	98.1	96.5	95.5	94.6	93.3	91.7	89.7	87.1	100
26-30	100.0	99.7	98.7	97.3	95.3	93.7	92.4	91.2	89.5	87.5	85.1	100
31-35	100.0	100.0	99.9	99.8	99.2	98.8	98.4	97.9	97.4	96.9	96.4	100
36-40	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
41-45	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
46-50	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
51-55	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
56-60	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
61-65	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
66-70	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
71-75	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
76-80	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
81-85	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
86-90	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
91-95	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
96-100	100.0	100.0	100.0	99.9	99.8	99.7	99.6	99.5	99.4	99.3	99.2	100
TOTALS	100.0	99.7	99.4	99.2	98.7	98.4	98.1	97.7	97.3	96.9	96.5	9981

RELATIVE HUMIDITY

7-1-54

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-10	100.0	100.0	100.0	100.0	100.0	94.6	78.0	62.7	51.3	3.7	71.3	0
1-12	100.0	100.0	100.0	100.0	100.0	93.9	84.4	67.2	57.8	1.1	74.1	0
1-13	100.0	100.0	99.9	99.7	95.9	83.3	64.1	50.9	39.3	13.3	74.0	735
1-11	100.0	100.0	97.3	87.5	71.9	58.6	36.3	20.2	9.5	10.3	60	0
1-14	100.0	97.3	84.5	68.4	48.0	31.6	22.0	14.0	8.7	10.0	0	0
1-17	100.0	98.0	82.2	65.1	47.1	32.1	22.7	11.0	5.1	9.0	0	0
1-20	100.0	100.0	95.2	84.3	64.1	47.6	31.7	18.1	6.4	8.3	79	0
1-23	100.0	100.0	99.1	94.5	76.9	54.5	41.2	26.1	6.4	5.3	64	0
TOTALS		100.0	99.5	95.1	87.2	74.9	58.6	41.6	24.5	4.5	64.3	477

☐
 NATIONAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

457 ST. LOUIS, MO

73-21

070

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-10	100.0	100.0	100.0	99.8	99.0	98.3	97.9	97.0	96.5	7.4	8
	1-11	100.0	100.0	100.0	100.0	99.0	98.3	97.3	96.3	95.3	76.2	61
	1-12	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.2	75.0	58
	1-13	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.2	67.2	47
	1-14	100.0	99.2	99.1	98.0	96.0	94.5	93.9	93.6	93.0	67.0	53
	1-15	100.0	99.0	98.0	97.1	95.0	94.3	93.1	92.0	91.6	66.4	47
	1-16	100.0	99.0	98.7	98.6	99.9	99.9	99.6	99.1	98.6	67.1	51
	1-17	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-18	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-19	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-20	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-21	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-22	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-23	100.0	100.0	99.7	99.8	99.9	99.9	99.6	99.1	98.6	67.1	58
	1-24											
	1-25											
	1-26											
	1-27											
	1-28											
	1-29											
	1-30											
	1-31											
	TOTALS	100.0	99.0	97.2	89.7	77.9	65.9	49.4	29.1	8.3	67.3	4733

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U.S. AIR FORCE METEOROLOGICAL SERVICE
 AIRCRAFT SERVICE/MAF

RELATIVE HUMIDITY

4457 FT LEONARD WOOD MO

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
ALL	ALL	100.0	100.0	99.7	93.1	81.8	66.6	47.8	24.7	7.4	67.0	4771
JAN		100.0	99.6	97.0	90.6	79.4	66.1	47.8	24.1	14.0	66.0	4770
FEB		100.0	99.4	95.1	86.3	74.1	60.2	44.2	20.0	10.0	65.0	4770
MAR		100.0	99.6	87.0	76.1	62.6	48.1	34.2	20.9	6.4	60.4	4770
APR		100.0	99.9	96.7	88.6	77.1	64.1	49.5	33.7	12.9	67.6	4770
MAY		100.0	100.0	99.0	93.8	81.7	66.6	48.6	24.4	4.3	66.0	4770
JUN		100.0	99.4	90.9	83.3	76.2	62.6	44.7	24.5	4.7	65.7	4770
JUL		100.0	99.6	97.2	90.6	79.6	63.9	47.8	24.7	9.4	67.0	4770
AUG		100.0	99.7	99.6	93.8	82.1	67.2	55.5	36.9	13.9	70.0	4770
SEP		100.0	99.7	94.3	82.7	69.7	54.6	39.1	20.1	4.5	62.0	4771
OCT		100.0	99.6	96.1	87.2	74.9	58.6	41.6	24.5	4.5	64.3	4770
NOV		100.0	99.6	97.2	89.7	77.9	65.9	49.4	27.1	9.3	67.3	4770
TOTALS		100.0	99.7	94.3	86.5	76.5	62.2	45.7	27.8	6.9	66.0	50950

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

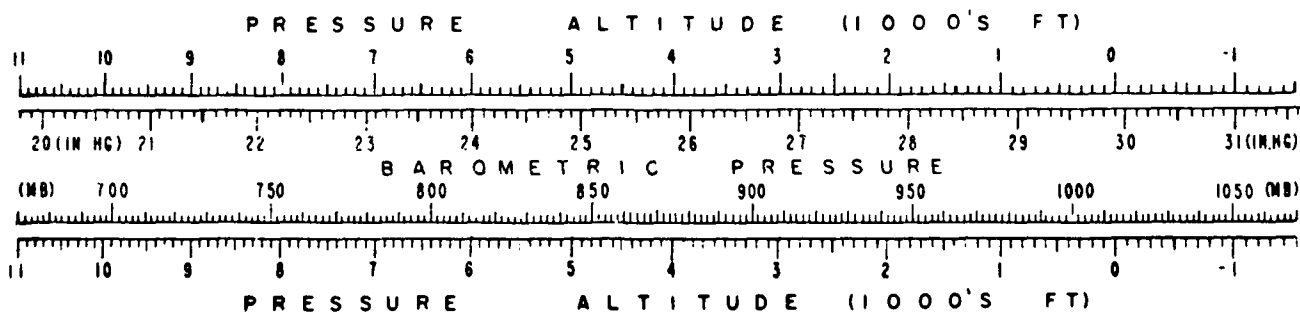
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



AL CLIMATOLOGY BRANCH
STAC
WEATHER SERVICE/HAL

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

04457 FT LEONARD WOOD MO

73-81

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
MEAN	29.78928	28.82528	28.66728	28.69928	28.65628	28.72328	28.76828	28.79428	28.79928	28.94528	28.84928	28.803	28.764	
S D	.265	.206	.214	.195	.193	.132	.085	.072	.115	.154	.132	.162	.185	
TOTAL OBS	55	56	62	60	61	60	56	62	59	33	30	41	635	
MEAN	29.78228	28.81928	28.65428	28.68928	28.64728	28.71028	28.76228	28.78728	28.79628	28.92928	28.83328	28.755	28.753	
S D	.264	.211	.220	.202	.197	.139	.087	.074	.121	.161	.151	.160	.189	
TOTAL OBS	53	56	61	60	61	60	56	62	60	35	30	20	614	
MEAN	29.83928	28.81128	28.70228	28.73128	28.70328	28.75228	28.78928	28.80428	28.81028	28.83728	28.82728	28.810	28.783	
S D	.234	.227	.216	.189	.155	.129	.081	.093	.126	.170	.192	.230	.180	
TOTAL OBS	237	226	246	243	271	266	273	274	265	262	208	172	2943	
MEAN	29.88028	28.84128	28.73428	28.75728	28.71628	28.76928	28.80628	28.82328	28.83428	28.86328	28.85628	28.838	28.810	
S D	.240	.239	.224	.199	.156	.130	.081	.094	.130	.172	.198	.236	.190	
TOTAL OBS	279	254	278	270	278	270	278	279	269	278	270	278	3281	
MEAN	29.86028	28.83128	28.71428	28.73928	28.70228	28.75628	28.79128	28.80628	28.81428	28.83728	28.82928	28.816	28.791	
S D	.242	.239	.223	.190	.150	.126	.082	.093	.129	.169	.199	.238	.188	
TOTAL OBS	279	254	278	270	278	270	276	279	270	279	270	278	3281	
MEAN	28.82028	28.78128	28.66928	28.69728	28.66728	28.72128	28.75328	28.76128	28.76828	28.79328	28.79028	28.780	28.750	
S D	.242	.232	.217	.182	.146	.123	.083	.093	.126	.162	.195	.230	.183	
TOTAL OBS	276	253	279	270	279	270	276	279	272	277	269	278	3276	
MEAN	29.83628	28.79328	28.67028	28.69028	28.65328	28.70528	28.73528	28.75028	28.76528	28.80028	28.80728	28.801	28.750	
S D	.233	.227	.216	.176	.143	.120	.082	.090	.124	.158	.193	.224	.182	
TOTAL OBS	274	249	279	270	277	269	276	279	268	278	264	275	3258	
MEAN	29.85028	28.81228	28.69528	28.72428	28.68428	28.72828	28.76628	28.78928	28.79428	28.82828	28.82328	28.822	28.775	
S D	.224	.222	.214	.173	.143	.122	.081	.085	.125	.161	.189	.220	.181	
TOTAL OBS	234	243	278	267	270	221	236	243	232	249	262	259	3014	
ALL HOURS	MEAN	28.84428	28.81228	28.69528	28.72128	28.68528	28.73728	28.77328	28.78928	28.79828	28.83128	28.82328	28.810	28.775
S D	.235	.230	.219	.187	.154	.128	.085	.094	.128	.168	.193	.225	.185	
TOTAL OBS	1707	1591	1761	1710	1775	1686	1727	1757	1693	1691	1603	1601	20302	

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TAC
EAT-FA SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

7457 FT LEONARD WOOD MO

73-81

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL							
0	MEAN	1.18	1.10	1.51	1.13	2.10	1.3	8.10	11.8	10.15	4.10	16.2	10.16	9.10	22.1	10.19	3.10	18.1	1016.0	
	S D	6.897	7.669	7.915	7.074	6.915	4.675	3.013	2.556	4.259	5.664	4.972	6.067	6.819	6.819	6.819	6.819	6.819	6.819	
	TOTAL OBS	55	56	62	60	61	60	57	62	59	33	30	41	636						
	MEAN	10.17	8.10	19.2	10.12	8.10	13.5	10.11	6.10	13.4	10.15	0.10	16.0	10.16	7.10	21.5	10.18	6.10	16.5	1015.6
	S D	9.974	7.850	8.098	7.315	7.095	4.969	3.098	2.665	4.366	5.962	5.016	5.814	6.944	6.944	6.944	6.944	6.944	6.944	
	TOTAL OBS	53	56	62	60	61	60	57	62	60	35	30	20	616						
	MEAN	10.20	1.10	13.8	10.14	3.10	14.8	10.13	4.10	14.8	10.15	9.10	16.6	10.17	1.10	18.5	10.18	8.10	18.7	1016.7
	S D	8.809	5.533	8.004	6.749	5.563	4.638	2.911	3.370	4.638	6.262	7.052	8.514	6.699	6.699	6.699	6.699	6.699	6.699	
	TOTAL OBS	237	226	246	243	271	266	273	275	265	262	208	172	2944						
	MEAN	1.21	6.10	19.9	10.15	4.10	15.7	10.13	9.10	15.4	10.16	5.10	17.2	10.17	9.10	19.4	10.19	8.10	19.7	1017.7
	S D	8.946	6.882	8.291	7.118	5.589	4.655	2.910	3.409	4.720	6.308	7.295	8.739	7.083	7.083	7.083	7.083	7.083	7.083	
	TOTAL OBS	279	254	277	270	278	270	277	278	270	278	270	278	3279						
1	MEAN	10.20	8.10	19.4	10.14	7.10	15.0	10.13	4.10	15.0	10.15	9.10	16.6	10.17	2.10	19.4	10.18	7.10	18.9	1017.0
	S D	9.000	8.859	8.187	6.852	5.409	4.438	2.980	3.369	4.695	6.179	7.315	8.702	6.988	6.988	6.988	6.988	6.988	6.988	
	TOTAL OBS	279	254	278	270	278	270	276	279	270	279	269	279	3281						
	MEAN	10.19	4.10	17.7	10.13	0.10	13.6	10.12	2.10	13.7	10.14	6.10	15.0	10.15	6.10	16.9	10.17	3.10	17.5	1015.5
	S D	9.013	8.680	7.995	6.592	5.253	4.419	3.004	3.401	4.572	5.964	7.197	8.439	6.841	6.841	6.841	6.841	6.841	6.841	
	TOTAL OBS	276	253	279	270	279	270	276	279	270	277	269	278	3276						
	MEAN	10.20	0.10	18.2	10.13	2.10	13.4	10.11	7.10	13.1	10.14	0.10	14.6	10.15	5.10	17.2	10.18	0.10	18.4	1015.6
	S D	8.707	8.517	7.931	6.338	5.128	4.343	2.954	3.337	4.515	5.823	7.118	8.217	6.844	6.844	6.844	6.844	6.844	6.844	
	TOTAL OBS	274	249	279	270	277	269	276	279	268	277	265	275	3258						
1	MEAN	1.20	5.10	18.9	10.14	0.10	14.5	10.12	7.10	13.9	10.15	1.10	16.0	10.16	5.10	18.2	10.18	6.10	19.1	1016.5
	S D	8.411	8.356	7.936	6.238	5.187	4.369	2.863	3.116	4.550	5.884	6.982	8.103	6.788	6.788	6.788	6.788	6.788	6.788	
	TOTAL OBS	254	243	273	267	270	221	236	243	232	249	262	259	3014						
ALL HOURS	MEAN	1.20	2.10	18.9	10.14	0.10	14.4	10.12	8.10	14.3	10.15	3.10	16.0	10.16	7.10	18.2	10.18	5.10	18.7	1016.5
	S D	8.925	8.598	8.060	6.729	5.532	4.569	3.057	3.405	4.664	6.153	7.133	8.392	6.921	6.921	6.921	6.921	6.921	6.921	
	TOTAL OBS	1707	1591	1761	1710	1775	1686	1728	1757	1694	1690	1603	1622	20304						

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